RECORD

VE
65

This book is of value to the owner and a reward will be paid if the finder returns it to:

Reed C. Rollins
Gray Herbarium
19 Garden St.
Cambridge, Mass.

1938

2039 Arabis
Moist wooded slope, near Juniata River, 3 mi east of Everett, Pa.
May 15, 1938

2040 Rubus
Dry fence row, shrub 1-3 ft high, near Gettysburg, preble Co. Ohio.
May 16, 1938

2041 arabis laevigata (Muhl.) Poir.
moist woods, near Manhatten, putnam Co., Indiana, May 16, 1938

2042 Silene virginica L.
moist woods, near manhatten, putnam Co., Indiana, May 16, '38 - fls. scarlet.

2043 penstemon calycosus Small
Woods in open, near Hurricane Creek, 4 miles southwest of Vandalia, Fayette Co., Ill. - May 16, 1938

2044 penstemon pallidus Small
open hillside, near Mineola, Montgomery Co, Missouri, May 17, 1938

2045 Oxalis
as the last.

2046 Monarda Bradburiana Beck
as the last

2047 Rorippa sinuata (Nutt) A.S. Hitchc.
Dry roadside near Little River, Rice Co, Kansas, May 18, 1938

2048 Gaura coccinea Nutt.
Roadside near Sanford, Pawnee Co. May 18, 1938 Kansas

2049 Descurainia pinnata subsp. halictorum (Ckll.) Detl.
Plots as last.

2050 Lesquerella ovalifolia Rydb.
Limy knoll, 10 miles west of Jetmore on a tributary to Pawnee River, Hodgeman Co., Kansas, May 18, 1938

2051 Penstemon auriberbis Pennell
Fls. lilac, limy knoll between Las Animas & La Junta, Bent Co. Colorado - May 18, 1938. alt. 4000 ft.

2052 Lesquerella ovalifolia Rydb.
as 2051 - stems very numerous from a decumbent base

2053 Silia aerosa (Gray) Britt.
Fls. blue - as 2051

x 2054 Lesquerella Fendleri (Gray) Watson
Stems several to numerous - as 2051

2055 Lesquerella montana (Gray) Wats - var. ruppertiana Payson
Limy hillside, 11 miles south of Pueblo, Pueblo Co, alt. 4,700 ft. May 19, 1938

Colorado

2056 Cryptantha Jamesii (Torr.) Payson
var. cinerea (Greene) Payson
Limy knoll, 11 mi south of Pueblo, Pueblo Co.,
May 19, 1938 — alt. 4,700 ft.

2057 Leucocrinum montanum Nutt.
as 2056

2058 Thlaspi Fendleri Gray
limy ravine in the talus, as 2056

2059 Lilia spicata Nutt.
as 2056

2060 ~~Solanum~~ physalis lobata Torr.
as 2056 - fls reddish purple

2061 Viola Nuttallii Pursh.
as 2056 fls yellow

2062 Euphorbia
Stems numerous from a deep perennial root.

2063 Penstemon versicolor Pennell
Fls blue to pinkish
as 2056

2064 Phlox longifolia Nutt. subsp. compacta (Brand) wherry
Fls pink - stems one or two.

2065 Hesperidla Fendleri (Gray) Wats.
Limy knoll, 3 miles northwest of pueblo,
Pueblo Co., May 19, '38 - stems numerous 5000 ft.

2066 Stanleya pinnata (Pursh) Britt.
dry limy hillside stems numerous from a woody base, leaves all more or less divided, near Arkansas River, 5 mi east of Florence, Fremont Co., May 19, '38

2067 Lesquerella intermedia (wats.) Heller
Sandy soil - near portland, 6 mi east of Florence - ~~Canyon~~
May 19, 38 - alt. 5, 500

2068 Lesquerella montana (Gray) Watson
granitic soil, 10 miles west of Canon City,
Fremont Co., 5, 500 ft.

2069 Arabis Fendleri
granitic soil under prion-Juniper, stems one
or several - near the Gorge Bridge, Fremont
Co., alt about 6,000 ft. . May 19, '38

2070 Erysimum
as 2069

2071 det. Rydb. Descurainea pinnata (Walt.) Britt.
subsp. brachycarpa (Richards.) Rydb.
Sandy soil, Royal Gorge between Canon City &
Salida, alt. 6000 ft. May 19, 38 - Fremont Co.

2072 det. Rydb. Descurainea pinnata (Walt.) Britt.
subsp. halictorum (Cockl.) Rydb.
as 2071

2073 Lepidium densiflorum Schrad.
as 2071

2074 Erysimum
as 2071

2075 Draba cuneifolia Nutt.
10 miles west of Canon City, Fremont Co.,
May 19.

2076 Draba nemorosa L.
as 2071

2077 Arabis Fendleri

Granitic soil in shade of pines, petals white to pinkish, very small,
4 miles south of Salida, Chaffee Co., alt. 7,500 ft.
May 20, 1938

2078 Draperella ~~a plegsonica~~ montana (Gray) Wats.?

as 2077

2079 Arabis Halboellii var. retrofracta
10 miles so. of Salida, Chaffee Co., May 20, 1938
among sagebrush - alt 8,500 ft.

2080 Cardamine cordifolia Gray

Moist stream bank, 10 miles west of Salida,
Chaffee Co, May 21, 1938, alt 7,500 ft.

2081 Thlaspi coloradense Rydb.

Stems several from a simple or branching caudex, abundant
on an open knoll among dwarfed sagebrush.
5 mi north of Sargents, ~~Saguache~~ Gunnison Co., May 21, '38
- 8,500 ft.

2082 Arabis demissa

Stems numerous, petals white, as 2081

2083 Arabis Halboellii var.

stems single - among brush - as 2081

2084 Arabis Crandallii

abundant in granitic soil and among rocks
FLs (petals) pinkish, 3 mi no. Sargents, ~~Saguache~~ Gunnison
Co., alt. 8,500 ft

2085 Mertensia lanceolata (Pursh) DC.

Rock hillside - as 2081

2086 arabis demissa

abundant on a limy outcrop near Sargents, Saguache Co, may 21, '38 - Flr (petals) pink.
A. Crandallii is also very abundant here
alt. 8,500 ft

2087 Arabis Holboellii var. retrofracta

dry hillside near Sargents, Saguache Co, may 21
alt. 8,500 ft

2088 physaria acutifolia Rydb.

dry hillside in granitic talus, 5 miles east of Parlin, Gunnison Co., alt. 8,000 ft. may 21

2089 arabis demissa

Barren rocky knoll, near Saguache creek, 6 miles east of Gunnison, Gunnison Co., may 21 -
petals pink, siliques spreading or slightly deflexed.
alt. 8,000 ft. - sagebrush area

2090 arabis n. sp.

petals pink to almost purple, stems several to numerous, siliques oblique to stem or slightly decurving as 2089

2091 Arabis Crandallii

among sagebrush + rocks, 5 miles east of Parlin, Gunnison Co., may 21, '38 alt. 8,000 ft.

2092 phlox Hoodii Richards.

as 2091 - abundant

2093 arabis crandallii ?

among sagebrush in rocky ground - petals lavender, siliques erect., stem several to numerous.
6 miles east of Gunnison, Gunnison Co,
alt. 8,000 ft. May 22, '38

Colorado

2094 Arabis Holboellii var.

among sagebrush in rocky ground, 4 mi east of Gunnison, Gunnison Co., May 22, '38 - alt 8,000 ft.

2094a = A. Holboellii var. retrofracta

2095 Arabis Holboellii var.

among sagebrush, 6 miles east of Gunnison, as 2094

2096 Arabis n. sp.

Rocky open slopes, 4 mi east of Gunnison, May 22, '38

2097 Sisymbrium linifolium

Lower lvs. merely toothed, as 2096

2098 Arabis Fendleri ?

among sagebrush, broken tube on overgrown no. 2094 as 2096

2099 Arabis demissa

Rocky open hillside, 4 miles east of Gunnison, Gunnison Co., alt. 8,000 ft. May 22, '38

2100 Actinea depressa (T. & G.) Kuntze

det Beaks

Crest of a rocky knoll, 6 mi east of Gunnison, Gunnison Co, May 22, '38 - alt. 8,500 ft.

2101 Castilleja chromosa A. Nels.

det. M. Owenby

among sagebrush on open slope - stems numerous - as 2100

2102 Streptanthus cordatus Nutt.

Rocky hillside, 4 mi east of Gunnison, Gunnison Co., May 23, 1938 - Alt. 8,000 ft.

2103 Umbellifera Cymopterus bulbosus bulbosus A. Nels.

det. Mathias

as 2102

2104 Erysimum

as 2102

Colorado

2105 Phlox
dry hillside, 10 mi east of ~~Cimarron~~ Sapinero, gunnison Co., may 23, alt 7,000 ft

2106 Physaria acutifolia Rydb.
as 2105

2107 Cryptantha flavoculata (Nels.) Payson
as 2105

2108 physaria floribunda Rydb.
dry rocky hillside, 3 miles east of Sapinero, gunnison co., alt. 7,000 ft. May 23

2109 aplopappus armerioides (Nutt.) T.+G.
as 2108 det. Blake

2110 Sisymbrium juniperorum Payson
Fls lavender to white, dry granitic hillside 3 miles east of Sapinero, gunnison Co.

2111 Arabis Crandallii
1 mi east of Sapinero, in the granite rocks, gunnison co., alt. 7000 ft, may 23, '38

2112 arabis Fendleri
Rocky knoll
as 2111

2113 Arabis demissa
open rocky knoll
as 2111

2114 arabis n. sp
open rocky knoll
as 2111

2115 Sisymbrium elegans (Jones) Payson
Flr. white - clay adobe soil, 6 miles east of Montrose, Montrose Co., May 24, '38 - alt 6,000ft.

2116 Erysimum
as 2115

2117 Lepidium montanum Nutt. var. ~~alb~~ alyssoides (Gray) Jones
as 2115

2118 Descurainia pinnata
as 2115 subsp. Nelsonii (Rydb.)

2119 Aster venustus Jones
as 2115

2120 Arabis pulchra
Flr lavender - limb of petal reflexed in age,
as 2115

2121 Descurainia pinnata (Walt) Britt.
as 2115 subsp. halictorum (Ckll.) Ckll.
det R.C.R.

2122 Arabis Selbyi?
among sagebrush - as 2115

2123 Stanleya albescens Jones
open clay knoll, as 2115 - Flr light lemon yellow

2124 Astragalus asclepiadoides Jones
among sagebrush - as 2115

2125 Penstemon retrorsus Payson
among sagebrush - as 2115

2126 Phacelia corrugata A. Nels.
Adobe hillside
as 2115

2127 Aliciella glabriflora Stand.
Adobe hillside, as 2115

Colorado

2128 Arabis oblanceolata?

Rocky hillside - sandy soil - among sagebrush 10 miles south of Montrose, Montrose Co., may 24 alt 6,000 ft.

2129 arabis lignifera A. Nels.

as 2128

2130 Sisymbrium linifolium Nutt

Lower cauline lvs dentate - as 2128

2131 S. linifolium Nutt

all lvs entire - seems to be a bit later & often grown in colonies as 2128

2132 Calochortus Nuttallii Torr.

alt. mi Quandary Rocky soil - hilltop - as 2128

2133 Arabis pulchra

Rocky to sandy soil among sagebrush as 2128 Fls lavender

2134 physaria australis (Payp.) Rollins

Rocky hillside - as 2128

2135 Brodiaea breviflora (Wats.) Machr.

as 2128 - hilltop

2136 Erysimum

Clay flat near Olathe, Montrose Co. may 25 alt. 5,280 ft.

2137 Sisymbrium elegans (Jones) Payson

2 mi south of Delta, Delta Co., May 25. alt 5,500 ft - petals lavender

2138 Lepidium montanum Nutt. var. alyssoides (Gray) Jones
Clay flat near Olathe, Montrose Co., May 25

2139 Stanleya albescens Jones
Clay flat - 2 mi south of Delta, Delta Co., alt. 5,500 ft. - May 25 -

2140 Crepis Malacothrix sonchoides (Nutt.) T.&G.
Rocky knoll - as 2139 det. Blake

2141 Psilostrophe Bakeri Greene
as 2140

2142 Lepidium densiflorum Schrad. var. Bourgeauum (Thell.) C.L.Hitchc.
as 2140

2143 Caldesia gilia polycladon Torrey
as 2140

2144 astragalus amphioxys Gray
as 2140

2145 Oenothera albicaulis Pursh
det. P.A.Munz as 2140

2146 Arabis Holboellii Hornem., var. retrofracta (Graham) Rydb.
Pods finely strictly reflexed - 2 mi N.E. Cedaredge, Delta Co., among sagebrush under pinon, alt. 6,000 ft.

2147 Arabis Holboellii, var. retrofracta
Petals purple, pods strictly reflexed, stems simple or branched.
under pinon & among sagebrush, 3 mi N.East of Cedaredge, Delta Co., May 25; '30. alt 7,000 ft.

2148 Arabis
pods widely spreading - as 2146

2149 Cryptantha flavoculata (Nels.) Payson
as 2146

2150 Physaria floribunda Rydb.
Rocky gully, 3 mi ne. cedaredge, delta co., may 25, '38 - alt 7,000 ft.

2151 Gymnosporangium on Juniperus
as 2150

2152 Gymnosporangium on amelanchier
as 2150

2153 Echinocereus aggregatus (Engelm.) Rydb. cactus
Barren knoll 15 miles west of delta, near Gunnison River, delta Co., may 25, '38 - alt 2,000 ft. - Ball type forming hemispherical clumps 1 ft across - fl. brilliant orange red.

2154 Enceliopsis nutans (Eastw.) A. Nels. comp.
Roylers - tuberous rooted - tuber 8-10 cm long 2-4 thick, Rocky knoll as 2153

2155 Psilostrophe Bakeri Greene
as 2153

2156 Stanleya albescens Jones
clay flat, 12 miles south of Grand Junction, mesa county, may 25, alt. 4,1600 ft.

2157 Cleome lutea Hook.
Clay flat
2 miles so. Grand Junction, mesa Co., may 25' alt 4,600 ft.

2158 Penstemon cyanocaulis Payson
Sandy soil, Colo. Nat. Monument, 8 mi west Grand Junction, May 26, alt. 6,500 ft.
Flo Purplish Blue

2159 Actinea acaulis arizonica (Brewer) Blakel
as 2158

2160 Arabis
as 2158

2161 Arabis
as 2158

2162 Lesquerella montanum Nutt. var. fendleri (Rydb) C.L. Hitchc.
Stems numerous - as 2158

2163 Fendlera rupicola Engelm. & Gray
Shrub. 3-5 ft high - as 2158

2164 Acer glabrum Torr. var. tripartitum
Shrub 8-18 ft - as 2158

2165 Arcocarpus intricatus Wats.
shrub 1-3 or 4 ft high - bushy

2166 Silene roseata Rydb.
Sandy hillside - as 2158

2167 Fraxinus anomala Torr.
shrub 10-15 ft high - as 2158

2168 ~~Eupatorium~~ Streptanthella longirostris (Wats.) Rydb.
as 2158

2169 Arabis pulchra
Flr. white - as 2158

Colorado

2170 Arabis

Stems several, petal pink to lavender

Colo. National Monument, 8 miles west Grand Junction, Mesa Co., May 26. alt. 6,500 ft.

2171 Vesquerella ludoviciana (Nutt.) Watson

Sandy soil. as 2170

2172 Streptanthus cordatus Nutt.

as 2170

2173 Stanleya pinnata (Pursh) Britt. var. integrifolia.

Adobe soil – as 2170

2174 Erysimum

as 2170

2175 Townsendia incana Nutt.

sandy soil - as 2170

2176 Physaria australis (Payp.) Rollins

as 2170

2177 Cryptantha flava (Nels.) Payson

Flr yellow – as 2170

2178 Cryptantha flavoculata (Nels.) Payson

petals white, as 2170

2179 Arabis Holbellii var. retrofracta

siliques reflexed but pedicel not geniculate, among sagebrush on a stony hillside, near Mesa, Mesa Co., alt. 7,000 ft., May 27

2180 Senecio integerrimus Nutt.

2 miles south Mesa, alt 7,500 ft. - as 2179

2181 Cryptantha longiflora (Nels.) Payson

corolla tube + center bright yellow, limb white., stems several to 1 - Canyon of Plateau Creek, 15 miles ~~southeast~~ northeast of Palisade, Mesa Co., alt 6,000ft. May 27, '38

2181 Bahia nudicaulis Gray

as 2181

2183 Aplopappus spinulosus var. hirtellus (Rydb.) Blake Compositae

Stems numerous from a wood root.

as 2181

2184 Lepidium perfoliatum L.

waste land in river bottom - as 2181

2185 ~~asclepias~~ Abronia glabrifolia Standl.

as 2181

2186 Cirsium neomexicanum Gray

Fls white, plants 5" - 8 ft high - stem branched.

as 2181

2187 Arabis

among igneous rocks ~~as 2181~~ 4 miles south of Mesa, alt 7,800 ft, May 27. - Juniper Zone.

2188 Arabis Holboellii Hornem. var. retrofracta (Grah.) Rydb.

as 2187

2189 Penstemon Crandallii A. Nels.

Fls blue - forming mats. - as 2187

2190 Townsendia exscapa (Richards.) Porter

as 2187

2191 Arabis
under Juniperus, 10 mi no. mesa - mesa - ~~Pitts~~, alt 6,600 ft may 27 mesa Co. Delegue

2192 Cryptantha flavoculata (Nels.) Payp.
ter white, as 2191

2193 ~~Tinplosia~~ Psoralea megalantha Wats. & Staudl.
prostrate, as 2191

2194 physaria ~~osterhoutii Payson~~ floribunda Rydb.
Fruits small & inflated on recurved pedicels
as 2191

2195 Sisymbrium juniperorum Payson
as 2191

2196 Asclepias cryptoceras Watson
as 2191

2197 physaria floribunda Rydb.
near mesa, alt 6,800 ft. may 27

2198 Lesquerella ludoviciana (Nutt.) Watson
as 2197 - pods reflexing in age

2199 Lithospermum incisum Lehm.
as 2197

2200 ~~Coreopsis~~? Malacomnia apricana (L) R. Br.
Sand-clay flat 5 miles south of Delegue
alt 6,500 ft. Mesa Co, may 27
petals pink, fls small, grazed by cattle.

2201 Arabis pulchra

2 mi west of Rifle, Garfield Co, alt. 6,500 ft. May 27, '38 - - dry hillside

2202 Sisymbrium juniperorum Payson

Stems numerous, - as 2201 - fls white.

2203 arabis

petals small, purplish. - as 2201

2204 Arabis Drummondi

among sagebrush on a dry knoll, 20 miles north of Rifle, Rio Blanco Co., May 27, alt. 8,000 ft.

2205 arabis

petals purple as 2204

2206 Balsomorhiza sagittata (Pursh) Nutt. ! Blake

Stems numerous, as 2204

2207 Lupinus Wyethii Wats.

Fls. purple — Large clump — sandy soil - as 2204

2208 Erysimum

Sandy soil - steep hillside - as 2204

2209 physaria australis (Payson) Rollins

pedicels nigmoid or ascending; as 2204

2210 Arabis

as 2204

2211 Wyoming Arabis lignifera A. Nelson

among sagebrush, 20 mi no. Bayeps, Carbon Co, Wyoming, May 28, 38

Wyoming & Colo.

2212 Erysimum
Sandy plains, 20 mi. no. Baggs, Carbon Co., alt. 6,500 ft
May 28, '38

2213 Thermopsis rhombifolia (Nutt.) Rich.
as 2212

2214 penstemon arenicola A. Nels
as 2212

2215 Sisymbrium elegans (Jones) Payson
open desert near Wamsutter, May 28, '38
alt. 6,500 ft.

2216 Penstemon arenicola A. Nels.
Sandy flat near Rock Springs, Sweetwater Co., May 28
Fls bluish purple, alt 6,500 ft.

2217 Sisymbrium elegans (Jones) Payson
Dry ravine near Green River, May 28, alt 6,000 ft.

2218 Vicia americana Muhl. ex. angustifolia Ives.
dry bank of Green River, Green River, Sweetwater Co.,
May 28. alt 6,500 ft.

2219 astragalus [illegible] (Nutt.) Gray
20 mi no. Baggs, Carbon Co. May 28

Colorado

2220 Physaria australis (Payp.) Rollins
Rocky hills near Meeker, Rio Blanco Co., alt. 7,000 ft.,
May 28, '38

2221 Orobroe reptans (Ham.) Fern. det. Hitchcock
as 2220

2222 Arabis lignifera A. Nels.

as 2220

2223 Cryptanthe Bakeri (Greene) Payson

as 2220

2224 Stanleya pinnata (Pursh) Britt. var. integrifolia

Basin butte - 10 miles so. west Craig - May 28, '38

dry clay-like soil.

2225 Cardilleja chromosa A. Nels.

det. wm. Cassady

Rocky hillside - 5 miles sowest of Craig, Moffat Co., Colo. May 28 - alt 7,000 ft. -

2226 Sisymbrium elegans (Jones) Payson

as 2225

2227 Arabis

among sagebrush - as 2225

Wyo.

2228 Stanleya pinnata var. gibberosa

3

Windy Knoll, 3 mi west of Fort Bridger, Uinta Co., May 31

alt. 6,500 ft.

2229 Physaria ~~didymocarpa~~ australis (Payson) Rollins

as 2228

2230 Frutillaria atropurpurea Nutt

Sandy soil among sagebrush

2231 Silia congesta var. crebrifolia (Nutt) Gray

as 2230

2232 Purshia tridentata DC.

as 2230 - shrub sprawling - 1-2 ft high

W yoming

2238 Cryptantha sericea (Hook) payson
fls yellow - sandy soil ~~2.3~~ 3 mi west of Fort Bridger, uinta Co., May 31 - alt. 6,500

2234 Cryptantha caespitosa (Nels.) Payson.
center of fls. yellow - limy slopes otherwise as 2238

2235 arabis
Siliques strictly reflexed - among junipers.
as 2233

2236 arabis lignifera A. nels.
Siliques pendulous - open area
as 2233

2237 Lesquerella ludoviciana (Nutt.) wats.
Rocky knoll - as 2233

2238 Penstemon Cleburnei Jones
limy & rocky slopes, 1 mile south of Green River, Sweetwater Co., 6,000 ft. June 2, '38

2239 Oxytropis saximontana A. nels.
as 2238 - Rocky knoll.

2240 Stanleya pinnata var. integrifolia
some of leaves divided as 2238

2241 physaria ~~didymocarpa~~ australis (Payson) Rollins
as 2238

2242 Erysimum
as 2238

2243 Cryptantha sericea (Hook) Payson
Fls. white - as 2238

Wyo--

2244 Lesquerella ~~densa~~ condensata A. Nels.
Rocky-limy point 2 miles S.E. Green River, Sweetwater Co, alt. 6,000 ft., June 2,

2245 Cogswellia ~~Cymopterus~~ Cymopterus bulbosus Nels
det. Mathias
type
as 2244

2246 Arabis lignifera A. Nels.
type
as 2244 — among sagebrush.

2247 Linum kansii Pursh
as 2244

2248 Hilia caespitosa (Gray) A. Nels.
caespitose perennial, Fls. brownish or rust colored
Forming mats on a wind swept knoll.

2249 Senecio Plattianus Nutt.
as 2244

2250 Arabis
limy hillside - as 2244

2251 Artemisia ? Artemisia spinescens D. C. Eaton
Shrub. 6"-1 ft. high - as 2244

2252 Astragalus jejunus Wats.
Clay soil - as 2244 - fls. pumpkish - pods inflated.

2253 Euphorbia
as 2244

2254 Abronia elliptica A. Nels.
as 2244

2255 Castilleja chromosa A. Nels -
det. M. Owenby
Shale & rock slope, 2 miles southeast of Green River, Sweetwater Co., alt. 6,000 ft June 2. -

2256 Astragalus Shamaelewe Hook
Flr. purplish - as 2255

2257 Cryptantha caespitosa (Nels.) Payson
as 2255

2258 Allium reticulatum Fraser
Flr. white - - as 2255

2259 Chaenactis Chamaechaenactis scaposa (Eastw.) Rydb.
Stony hill, 25 miles so. of Green River, Sweetwater Co., alt. 6,500 ft., June 3, '38

2260 Rorippa sinuata (Nutt.) A.S. Hitchc.
Stoloniferous - roadside as 2259

2261 Oenothera scapoidea Nutt. ~~oregonensis~~
det. P.A. Munz
as 2259

2262 Lepidium montanum Nutt. var. wyomingense C.L. Hitchc.
Sandy flat - as 2259

2263 Penstemon pachyphyllus Gray
among junipers 2 mi north of Linwood Utah in Sweetwater Co., Wyoming
alt. 6,000 ft - June 3 - -

2264 Caulanthus crassicaulis (Torr.) Watson
as 2263

Wyo & Utah

2265' Descurainia pinnata (Walt.) Britt.
as 2263 ssp. halictorum (Cockl.) Detl. ?

2266 Arabis
Sagebrush near Sheep Creek, 12 miles southwest of manila, Daggett Co., Utah - alt. 6,500 ft. - June 3.

2267 Arabis hirsuta var.?
Shade under Nt. Mahogany, as 2266

2268 Arabis Halboellii var retrofracta
under pines - as 2266

2269 ~~Astragalus~~ Halimolobos virgatus (Nutt.) Schulz
as 2267

2270 penstemon acaulis M. West.
Sandy soil near Flaming Gorge, 15 mi. so-east of manila, Daggett Co., Utah - alt. 5,500 ft. June 3

2271 Ephedra viridis Coville
Rocky hillside - as 2270

2272 Arabis
Among rocks under Juniper - fls white -
as 2270

2273 Thelypodium wyomandrum Koehne
among rocks - as 2270

2274 Arabis lignifera A. Nels.
as 2270 - among sagebrush

2275' Draba oligosperma Nutt. ~~det~~ det. Hitchcock
under brush & junipers - as 2270

2276 Lepidium montanum Nutt. var. fonerii (Rydb.) C. L. Hitchc.
among junipers on a dry slope, near Flaming Gorge, 15 miles nocart of manila, Daggett Co., Utah. - June 3, alt. 5, 500 ft.

2277 Trifolium andinum Nutt.
Forming mats. - steep hillside - as 2276

2278 Heuchera parviflia Nutt.
Shaded north slope - as 2276

2279 Arabis
among jinipers - as 2276

2280 Cryptantha flavoculata (Nels.) Payson
dry hillside - as 2276

2281 Arabis pulchra
near Sheep Creek among junipers - 8 miles south of manila, Daggett Co., alt 5, 500 ft, June 3 -

2282 Iris Minutiensis
River bottom land, Blacks Fork River, 3 miles north & w yuma, Uinta Co., alt. 6, 500 ft. June 6, '38

2283 Rust on plantago
as 2282

2284 Lupinus laxus Rydb.
Fls purplish white - stem numerous - sandy soil ~~pride~~ near ~~north~~ Blacks Fork, 3 miles north & yuma alt 6, 500 ft. - June 6, '38

2285 Alt. p.a. Mus Oenothera trichocalyx Nutt.
Fls white, as 2284

. Wyo .

2286 Aster xylorhiza T. & G.
Sandy soil in a ravine - near Black Fork 3 miles no. Wyuan, Uinta Co, alt. 6,500, June 6, '38

2287 Arabis cobrensis M. E. Jones
among sage brush - as 2286

2288 Chaenactis Hymenopappus sp.
as 2286

2289 Arenaria Hookeri Nutt.
Forming mats - as 2286

2290 Silene parryana (Torr.) Britton.
as 2286

2291 ~~Thelesperma~~ Lepidium montanum Nutt. var. wyomingensis C. L. Hitchc. (No. used - Supt. 1938) this
as 2286
det. Hitchc.
no. 2806 substituted for Arenaria! see next page for data on Lepidium.

2292 Arabis lignifera A. Nels.
among sagebrush - as 2286

(2283) 2798 Astragalus
as 2286

(2284) 2799 Penstemon Roezlii Payson incl.
Flowers Purplish blue. Stems, several. Sandy creek bottom, Cottonwood Creek 10 mi. No. Lonetree, Uinta Co. June 7, '38 alt. 7,000.

(2285) 2800 Astragalus megacarpus (Nutt.) Gray
Flowers white. Stems decumbent. Rocky hillside
as 2284.

(2286.) 2801 Actinea Richardsonii (Hook.) Kuntze.
Rocky Hillside. as 2284.

(2287.) Penstemon. cleburnei Jones
2802 Flowers, lilac. Sandy soil in creek bottom. Cottonwood creek. 10 mi. no. Lonetree, Uinta Co. alt. 7,000. June 7, 1938.

(2288.) arabis lignifera A. Nels.
2803 Silique, Pendulous. under junipers. near Cottonwood Cr. as 2287.

(2289)
2804 Petals + Sepals yellow, Forming bunches 6 in. to 1½ ft. across. clay flat 2 mi. no. Lonetree, Uinta Co. June 7, 1938. alt. 7500

2805
(2290.) Phlox Hoodii Richards. subsp. canescens (T. & G.) Wherry
flowers white to pinkish. Clumps. as 2289.

(2291) Lepidium.
2806 Hemispherical clumps. 6 in to 1 ft. across. Clay hillsides as 2289.

(2292.) Penstemon. radicosus A. Nels.
2807 flowers, blue. among brush + under junipers. near Cottonwood creek, 4 mi. no. Lonetree, Uinta Co. June 7, '38 alt. 7500.

2293. Thalictrum, alpinum L.
Clay hummocks. Lonetree, Uinta Co., June 7, 1938. alt.

2294. ~~Dodecatheon~~ pauciflorum (Duc.) Greene
Flowers Pinkish Purple. as 2293

2295. Phlox. variabilis Brand
Flowers white to bluish. Cl forming mats. as 2293. On Hummocks.

2296 Salix Bebbiana Sarg. var. perrostrata (Rydb.) Schn.
Tree 15-20 ft. high. Bark grey. Moist creek bank. 1 mi. So. Lonetree, Uinta Co. June 7, '38

2297. Salix. pseudomonticola (And.) Rydb.
Tree 10-15 ft. high. Alder bark, grey. as 2296

2298 Salix. commutata Bebb.
Tree, 10-15 ft. high. bark, grey. as 2296.

2299. Salix. melanopsis Nutt.
Tree, 10-15 ft. high. bark grey. as 2296

2300 Gilia spicata Nutt.
dry knoll 1 mile no. of Lonetree, Uinta Co., alt. 7,500 ft., June 7 -

2301 Lomatium Grayi Coult. & Rose umbellifer
alt. Mathias
Rocky knoll and hillside 3 miles south of Lonetree, alt. 7,600 ft. - June 7, '38

2302 Hesperella alpina (Nutt.) Watson
as 2301

2303 Arabis Fendleri
among sagebrush in the rocks - as 2301 siliques pendulous.

2304 Arabis ligulifera A. Nels.
among brush and in open - as 2301 siliques pendulous.

2305 Arabis Holboellii var.
as 2301 - siliques strictly reflexed

2306 Salix pseudo-cordata (And.) Rydb. var. aequalis And.
Shrub 8 - 10 ft high - bark yellow.
near Lonetree, Uinta Co., June 7, '38 alt. 7,500

2307 Arabis
dry hillside under oak-brush, near Dry Fork Basin, Uinta Co., Utah - June 12, '38
alt. 6,000 ft. -

2308 Artemisia ligulifera A. Nels.
among sagebrush, Rocky hillside near Wyman, Uinta Co., June 13, '38 - alt. 6,500 ft.

2309 Salix pseudo-cordata (And.) Rydb. var. aequalis And.
Tree 15'-20 ft high.- near river; Wyman- Ft. Bridger, Uinta Co, alt. 6,500, June 13 - '38

2310 Salix candata (Nutt) Heller var. Bryantiana B.& H. B. saccelin.
Tree 20 ft high.- trunk 3-4 in. in diam.
as 2309

2311 Salix Bebbiana Sarg.
Tree 10-15' ft high - as 2 309

2312 Salix lutea Nutt.
Tree 10-15' ft high - as 2 309

2313 Cercocarpus montanus Raf.
dry hills - ½ miles north of ~~river~~ Ft. Bridger
June 13, '38 - alt. 6,500 ft.
Shrub. about four ft. high.

2314 pentstemon Wolcae Parson ined.
Flr. blue. - as 2313

2315 Symphoricarpus vaccinioides Rydb.
Frs white · as 2313

2316 physaria australis (Payp.) Robins
dry hillside - as 2313

2317 Sheptanthus candatus Nutt.
as 2313

2318 Astragalus
stems numerous.

2319 Potomogeton
deep water (4-6 ft.) of Bridger Lake, Uinta Mts., Summit Co., Utah, June 22, 1938 - alt. 9,200 ft.

2320 Stanleya pinnata var. gibberosa
Shale & lime hillside - 3 miles n.w. Ft. Bridger Uinta Co., alt. 6,500 ft. - June 14, '38

2321 Phlox longifolia Nutt. subsp. calva Wherry
Piedmont Bench, Ft. Bridger - Evanston, 10 miles west south Ft. Bridger, Uinta Co., June 14, alt. 6,800 ft.

2322 Arabis
among sagebrush, siliques strictly reflexed.
as 2321

2323 Hedysarum occidentale Greene
Flr. pinkish purple, near Big Muddy Creek, Ft. Bridger - Evanston, June 14, alt. 7,000 ft.

2324 Penstemon humilis Nutt.
Rocky hillside - as 2323

2325 phlox multiflora A. Nels. var. depressa E. Nels.
flr. white, among sagebrush.
as 2323

2326 Vesquerella prostrata A. Nels.
dry hillside - as 2323

2327 Astragalus paniculatus (Nutt.) Wats.
type locality
under junipers - as 2323

2328 Cryptantha caespitosa (Nels.) Payson
Hilly, rocky knoll - near Big Muddy Creek, Ft. Bridger - Evanston, June 14, alt. 7,000 ft.

2329 Gilia congesta Hook.
as 2328

2330 Caulanthus crassicaulis (Torr.) Wats.
among junipers, 20 miles east of Evanston, alt. 7,000 ft - June 14, -

2331 Aschelia patens (Nutt.) Jtn.
Fls blue -
as 2330

2332 Descurainia pinnata subsp. halictorum (Cockll.)
under junipers. as 2330

2333 Astragalus jejunus Wats.
pods inflated., clay-lime hillside - as
as 2330

2334 Cryptantha flavoculata (Nels.) Payson
Sandy soil - as 2330

2335 [illegible] Rust on Oenothera
montana - as 2330

2336 Senecio wintahensis (A. Nels) Greenm.
among sagebrush - as 2330

2337 Penstemon cyananthus Hook.
Fls. bluish purple, stems one or two;
divide, Ft. Bridger - Evanston, Uinta Co.,

Wyoming

alt. 7,500 ft. - June 14, '38

2338 Chaenactis douglasii (Hook) H.&A.
among juniperus - as 2337

2339 Cleome serrulata Pursh.
Sandy soil - 20 mi east of Evanston alt.
7,000 ft. - June 14

2340 Triglochin maritima L. grass
swampy sand, as 2339

2341 Geranium viscosum Nutt.
Divide, Ft. Bridger - Evanston. June 14, '38
alt. 7,500 ft. -

2342 Eriogonum
Fl. yellow - among sagebrush. - as 2341

2343 Stanleya viridiflora Nutt.
dry hillside - as 2341

2344 Neptotaenia Eatonii Coult. & Rose
dry hillside - as 2341

2345 Ptenyxia terebinthina (Hook.) C.&R. var. calcarea (Jones) Mathias
umbelliper
sandy soil - as 2341

2346 Phacelia sericea (Grah.) Gray var. Nelsoni Brand
alt. continued
among sagebrush - as 2341

2347 Phacelia magellanica (Lam.) Coville f. heterophylla (Pursh) Brand
alt. continued
among sagebrush -
15 miles east of Evanston, Uinta Co.,
June 14 - alt. 7,000 ft. -

2348 Tanacetum Nuttallii T. & H.
Limy bluff, 2 miles south of Carter, Uinta Co.
alt. 6,500 ft. - June 16, '38

2349 Asclepias cryptoceras Wats.
on 2348

2350 Lomatium megarrhizum (nels.) mathias umbellifer
clumps 1 ft across - on 2348

2351 Stanleya pinnata var. gibberosa
among junipers - on 2348

2352 Rumex hymenosepalus Torr.
var. salinus (Nels.) Rech.
clay flat - near Zedar's Ranch, northern
Uinta Co. June 16, '38 alt 6,800 ft.

2353 Arabis
siliques strictly reflexed
among sagebrush - Flat Iron Buttes, southern
Lincoln Co., alt. 7,000 ft, June 16, '38

2354 Penstemon Woosei Payson ined.
on 2353 - alt. 7,500 ft.

2355 Cryptanthe sericea (Gray) Payson
on 2353

2356 Crepis occidentalis Nutt.
on 2353

2357 Crepis modocensis Greene
on 2353 - alt. 7,500 ft.

2358 Helianthus uniflora (Nutt.) T. & G.
on 2353 - alt 7,500 ft.

W Jones

2359 Arabis lignifera A. Nels.
ubiquitous pendulous, under junipers,
flat from Butte, southern Uinta Co.,
June 16, '38 alt 7,500 ft.

2360 ~~Astragalus~~ Lesquerella condensata A. Nels.
hilltop - as 2359

2361 Astragalus Purshii Dougl.
among sagebrush - as 2359

2362 Astragalus fecundus Wats.
bleak Butte top.

2363 Penstemon
clr. blue - stems few - as 2359

2364 penstemon humilis Nutt.
clr blue - stems numerous - as 2359

2365 Hackelia patens (Nutt.) Jtn.
clr blue — as 2359

2366 Astragalus simplicifolius (Nutt.) Gray
among sagebrush - table land 10 miles
so. Mt. View, Uinta Co., alt. 7,500 ft. -
June 17, 38

2367 Lomatium junciferinum (Jones) Coult. & Rose umbellifer
det. Mathias as 2366

2368 Astragalus
as 2364

2369 Rosaceae
not in clumps - as 2366

Wyoming

2370 Castilleja

among sagebrush, table land, 10 mi south Mt. View, Uinta Co., alt. 7,500 ft. June 17

2371 Draba stenoloba Ledeb. var. nana (Schultz) C.L.H. incl. Fls yellow - under aspens - 15 miles so. Mt. View, foothills of Uinta mts., Uinta Co. June 17 - alt. 8,000 ft.

2372 Arabis drummondii

as 2371

2373 Senecio integerrimus Nutt.

as 2371

2374 Delphinium nelsonii Greene

as 2371

2375 Hydrophyllum capitatum Dougl. ex Benth.

mint ground.

2376 Lithophragma bulbifera Rydb.

as 2371

2377 Arabis Holboellii var. retrofracta

pods strictly reflexed - among sagebrush

2378 Macteusia oblongifolia (Nutt.) Don.

as 2371

2379 Polygonum Eriogonum salsuginosum Hook.

Bad lands near Blacks Fork River, 8 miles east of Lyman, June 19, '38 alt. 6,500 ft.

2380 Delphinium geyeri Greene

sandy knolls - as 2379

2381 astragalus

gravelly knoll – ar 2379

2382 Tanacetum Nuttallii T. & G.

Rocky flats near Blacks Fork River, 8 miles east of Lyman, June 20, '38 alt. 6,500 ft.

2383 Stanleya pinnata (Pursh) Britt. var. gibberosa

Piney foothills of Bridger Butte, 3 mi west of Fort Bridger, Uinta Co., June 24, 1938
Pods nearly round, somewhat tomulose (faintly) spreading & slightly ascending.

2384 Streptanthus cordatus Nutt.

ar 2383

2385 physaria condensata sp. nov.

Rosettes sedum-like – piney knoll – ar 2383 may be a phase of P. didymocarpa.

2386 Hymenopappus sp. comp. –

ar 2383

2387 physaria ~~didymocarpa~~ australis (Payp.) Rollins

plants normal – ar 2383 – growing on a protected piney knoll.

2388 Stanleya pinnata var. gibberosa Rollins

disturbed sol. along a gravel road, 3 mi [illegible] June [illegible]

2389 Fossils

Fossil Cut near Green River, Wyoming – June 4, 1938 – Sweetwater Co..

2390 Stanleya pinnata (Pursh) Britt. var. integrifolia
Winey canyon, near Green River, Sweetwater co. June 26, alt. 5,500.
Leaves sometimes all entire but the lower usually divided

2391 Stanleya ~~pinnata~~ pinnata var. integrifolia Rock Springs
~~Bradley~~ Knight -20 mi east / Green River
see number 2809
Sweetwater Co., June 26, '38 - alt. 5,000 ft.

2391a Cleome lutea Hook. - 20 mi. east Rock Springs

2392 Stanleya pinnata var. integrifolia.
4 miles east of Parco, Carbon County, -
June 26, '38 alt.
open prairie -

2393 Cryptantha flava (Nels.) Payp.
Winey slope 5 miles north of Saratoga Carbon County, June 26, '38 - alt 7,500 ft.

2394 Cryptantha flava (Nels.) Payp. f. comm.
as 2393

2395 Eriogonum
among sagebrush - 10 miles east of Saratoga, Carbon Co., June 26, '38
alt. 8,000 ft. -

2396 Stanleya pinnata (Pursh) Britt.
open plain - 5 miles west of Laramie, Albany County, alt. 7,800 ft. - June 27, '38

2397 Lepidium montanum Nutt. forma wyomingensis C. L. Hitchc.
with N. A. Beetle
stamen several, open plain 5 miles west of Laramie, Albany County, alt. 7,800 ft. June 27

2398 Lesquerella ludoviciana (Nutt.) Wats.
with A. A. Beetle
Open plain 5 miles west Laramie, Albany Co., June 28, '38 - alt. 7,800 ft. - stems decumbent.

2399 arabis
with T. S. Chambers
Open pine woods, 4 miles west of Estes Park, Larimer Co., Colo. - June 29, '38 alt. 8,000 ft. -

2400 arabis
granitic soil in coniferous woods - 3 mi south of Glacier Park, R. Mt. Nat. Park, Larimer Co., Colo. - June 30, '38 alt. 8,500 pods spreading - petals pink.

2401 arabis
petals pink, pedicels reflexed but not strictly so. stems single from a root.
as 2400

2402 arabis Holboellii Hornem.
var. retrofracta.
petals white, pedicels strictly reflexed, stems several to numerous from a root, as 2400.

2403 Penstemon cyathophorus Rydb.
Stems single or several, flr lilac, among sagebrush 10 mi so. Grand Lake, Grand Co., Colo. - June 30, '38 alt. 7,000 ft

2404 Penstemon virens pennell
Flr blue - 10 mi east of Granby. June 30, '38 - alt 8,500 ft. Grand County

2405 penstemon virens Pennell
Stems numerous, flo white to pinkish
Rocky slope 10 mi east of Hanby,
June 30, '38 - alt 8,500

3406 ↘
Stanleya pinnata (Pursh) Britt.
Basal lvs highly dissected.
Stems several to numerous, often branched, 2½ - 3 ft. high, basal leaves divided - oblique spreading, not annual.
15 miles south of Pueblo, Pueblo Co., July 1, 1938 - Colorado - alt 4,800 ft.

2407 Stanleya pinnata (Pursh) Britt.
Technical characters of the above - basal or lower lvs divided - upper entire.
18 miles north of Walsenburg, Huerfano Co., July 1, '38 - alt. 5,500 ft.

2408 Eryaimum
Stems one to several, flowers yellow. Oak brush association. South slope Raton Pass. 2 miles north of Raton, 7000 ft. July 1, '38 - Colfax Co. New Mexico

2409 Sisymbrium linearifolium (Thurb) Payson
Flowers lilac to purplish - stems branched - as 2408.

2410 Fallugia paradoxa (Don.) Endl. Rosaceae
Shrub - 3-4 ft. bark gray, furrowed
Mouth of Cimarron canyon, 3 mi. w. of Cimarron Colfax Co. petals white, 6500 ft. July 1, '38

New Mexico

2411 penstemon strictus Benth.
Flr purple, stems one or several, granitic soil on a dry slope, 10 miles east of Taos, Taos county, New Mexico 8,500 ft. July 1, '38

2412 penstemon linarioides Gray subsp. tasselus Keck
Stems numerous + with a decumbent base, caespitose, flr pinkish purple as 2411

2413 penstemon oliganthus Wats. + Stand.
Stem several, flr. blue, as 2411

2414 phyparia floribunda Rydb.
Granitic slope in lower dry soil, Montane zone. 10 miles east of Taos. Taos Co., alt. 8,000 ft. July 1, '38

2415 Leucampyx Newberryi Gray comp.
as 2414

2416 ~~Eriophyllum~~ Baileya multiradiata Harv. + Gray
Stem several, intricately branched, roadside upper Sonoran desert, 10 miles west of Albuquerque, ~~Bernalillo~~ Bernalillo Co., July 3, '38 - alt. 5, 200 ft —
det. constans

2417 ~~Baeria~~ D'Ittmeria Wislizeni Engelm.
Flr white - 15 miles west of Albuquerque, as 2416

2418 psilostrophe tagetinae (Nutt.) Britt.
as 2417

2419 Lesquerella montanum Nutt. var. alyssoides (Gray) Jones among brush near Bluewater Lake, Valencia county, N. Mex. - alt. 7,500 ft. foothills of the Zuni Mts. - July 3, 1938

2420 Astragalus
roar solid, stems numerous - as 2419

2421 Eryginum
Stems single, simple or branched, low erect, flr lemon yellow, granitic soil, Continental divide 3 miles west of Thoreau, McKinley Co., July 4, '38 - alt. 7260 ft.

2422 Sphaeralcea digitata (Greene) Rydb.
stems numerous, as 2421

2423 Abronia Fendleri Staull.
sandy soil. - stems few to several - ten mi. w. of Gallup, N. M. - McKinley Co. - July 4, '38 - alt. 6300 ft.

2424 Datura Inteloides DC.
Bushy - ☆ 1½ - 2½ ft. High - profusely branched - leaves deltoid - as 2423.

2425 Stanleya pinnata (Pursh) Britt.
Stems several to numerous, branching near base - lower leaves divided - pods arcuate - 3 ft. ☆ - limey soil - Alt. For. Nat. Mon. - 25 mi. s.E. of Holbrook - Apache Co, Ariz. Elev. 5500 ft. July 4, 38

2426 Dithyrea Wislizeni Engelm.

Granitic soil - open plains - 10 mi. s.e. Holbrook - Navajo Co. - alt. 5000 ft. - July 4, '38.

2427 Stanleya pinnata (pursh) Britt.

+ shower, but divided - upper entire 1 - 2 - 3 ft.
Red clay formation, 10 mi. west of Winslow, Coconino Co., alt. 5,000 ft - July 4

2428 Cowania Stansburiana Torr. Rosaceae

Shrub or small tree, bark pumpernickel, understory to ponderosa pine forest - 6 miles east of Flagstaff, Coconino Co., Ariz. July 4, 1938 - alt. 6,500 ft.

2429 Cryptantha Jamesii (Torr.) Payson
var. multicaulis (Torr.) Payson?
Forest litter - July 5, 1938 - as 2428

2430 pentstemon virgatus Gray
Flr lilac - as 2428 July 5

2431 Dalea Lotus Wrightii (Gray) Vog. Leguminosae.
as 2428 - July 5.

2432 Eriyeron Townsendia strigosa Nutt.
stem decumbent, sandy soil - 10 miles south of Navajo Bridge across Colorado River, Coconino Co., Ariz. - July 5, 38 - alt. 4,000 ft

2433 Hoffmannseggia Caldenia hispidissima (Torr.) Kuntze
var. latior Gtn.
Very prickly, stems numerous, decumbent, red sandy soil. 5 miles no. Navajo Bridge, July 5, '38. Coconino Co., Ariz - alt 4,000 ft.

2434 Encelia frutescens Gray, var. resinosa Jones Comb.

Shrub 1-2 ft high, intricately branched, base very woody, bark grey to whitish. 5 miles south Navajo Bridge across Colorado River, Coconino Co., Ariz. July 5; alt. 4,000 ft.

2435 Lepidium montanum Nutt. var. canescens (Hull.) C.L. Hitchc. f. cinereum C.L. Hitchc.

Stems numerous, intricately branched,

2 miles south House Rock, Coconino Co., Ariz. July 5; '38 alt 5,500 ft.

2436 Caenothus Fendleri Gray

small shrub with semidecumbent stems, 1-2 ft., 3 mi north Jacobs Lake, Coconino Co. July 5; 38; alt. 7,5000 ft.

2437 Penstemon linarioides Gray subsp. Sileri (Gray) Keck

Fls lilac to blue, stems several somewhat decumbent, as 2436

2438 Phlox austromontana Coville

Fls white. open park - 20 miles south Jacobs Lake, Coconino Co., Ariz., July 5, '38 alt. 9,000 ft.

2439 Hilia Gunnisonii T. + G.

Sandy soil - 3 miles south Navajo Bridge, Coconino Co., Ariz. - July 5, '38 - alt 4,000 ft

2440 Pilostyles sparsiflora (Gray) A. Nels.

as 2439

2441 ~~Oreocarya~~ Cryptantha setosissima (Gray) Payson
Granitic soil - nr. Bright Angel Pt. Grand Canyon N.P. - alt. 8000'. - July 6, '38.

2442 Arabis perennans Wats.
Stems several - fruits arcuate - limy rocks - as 2441.

2442a = A. Fendleri (Wats.) Kneaus

2443 Arctostaphylos nevadensis Gray
Shrub - 2-3 ft. high - bark reddish - leaves often apiculate - forming thickets several ft. across. - as 2441.

2444 Cryptantha Jamesii (Torr.) Payson
var. diffusa (Eastw.) Payson
Stems decumbent - crevices of limy rocks - as 2441.

2445 Draba asprella Rydb. var. kaibabensis C.L.H. and
Granitic soil - under P. ponderosa. - as 2441.

2446 Penstemon palmeri Gray Topotype
subsp. eglandulosus Keck
Stems numerous from a woody base, fls white to faintly pink, 1½ - 2½ ft. high - 1 mile north of Kanab, Kane Co., Utah
July 6, '38 - alt. 5,000 ft.

2447 Wyethia scabra Hook.

Stems numerous forming clumps 1-3 ft across. 1-2 ft. high. Sand hills 5 miles north of Kanab, ~~Kane~~ Kane Co., Utah, alt 5,500 ft - July 6, '38

2448 Physaria Chambersii Rollins
var. membranacea Rollins
Red sand, Red Canyon, 16 miles west Bryce Canyon, Garfield Co., Utah, alt. 7,000 ft. July 6, 1938

2449 Cryptantha Jamesii (Torr.) Payson
var. dictica (Eastw.) Payson
as 2448

2450 Eriogonum

Granitic soil under P. ponderosa, Bryce Canyon, Garfield Co., Utah, July 7, '38 - alt. 8,000 ft.

2451 Arcto-staphylos pinetorum Rollins

Forming clumps 1½-2½ ft high, as 2450

2452 Eriogonum chrysocephalum Bray
var. alpestre Stokes
Flr white, rocky knoll, Bryce Canyon, Garfield Co., July 7, '38 - alt. 8,000 ft. -

2453 Hedysarum boreale Nutt.

Flr. pink, as 2452

2454 Hymenopappus lugens Greene comp..

as 2452

2455 Linum Kingii Watson ~~Graminaceae~~

Granitic soil - open areas - as 2452

2456 penstemon Watsonii Gray

Flr purplish blue, stems numerous forming bunches a foot across, many together & miles east of Paragonah, Iron Co., Ut., alt. 7,000 ft.

2457 Lupinus

Flr white, stems one or several - as 2456

2458 Stanleya pinnata (Pursh) Britt.

stems numerous from a low woody base, lower leaves divided, upper entire, heavy soils in a canyon, 5 miles northeast of Paragonah, Iron Co., alt. 6,000 ft., July 7, pods arcuate

2459 penstemon comarrhenus Gray

stems few, flr purple to blue, among sagebrush, 7 miles northeast of paragonah, Iron Co, Utah - alt. 6,500 ft. July 7.

2460 peraphyllum ramosissimum Nutt.

shrub 3-4 ft. high - as 2459

2461 Eriogonum shockleyi Wats.
var. candidum (Jones) Stokes
Wah Wah Mtn., 35 miles west of Milford, Beaver Co, Ut. July 8, alt. 6,500

2462 Stanleya pinnata (pursh) Britt.

as 2461

2463 Hophamia Stansburii Gray comps.

stems numerous, rock crevices, as 2461

2464 Tetradymia glabrata Gray

Shrub about 1 ft. high, near Ha[illegible]ison, Millard Co., Utah. alt. about 5000 ft. July 8, '38 among sagebrush

2465 Nicotiana attenuata Torr.

Sandy soil, caulks dirty brown. 3 miles east of Baker, white pine co., Nevada - alt. about 6,500 ft. July 8, 1938 - among sagebrush

2466 Penstemon Watsonii Gray

Fls blue, near Lehman Creek, east of Mt. Wheeler, White Pine Co., Nev. - alt. 9,000 ft — July 8, '38. - Snake Range.

2467 Aquilegia formosa Fisch.

Flr orange to red, - as 2466

2468 Penstemon Eatonii Gray

Flr. red - as 2466

2469 arabis

Stems several, pods pendent on arched pedicels, among rocks, near Lehman Creek, Snake Range east of Mt. Wheeler, White Pine Co., Nev., July 8, alt. 9,000 ft.

2470 arabis

Stems one or few, pods strictly reflexed, as 2469.

2471 prunus demissa (Nutt.) Walp.

Shrub 6-10 ft - among boulders as 2469

2472 Sambucus melanocarpa Gray

alt. Jones Shrub 2-5 ft high - as 2469 - among boulders

2473 Cardamine cordifolia Gray
Along Lehman Creek east of Mt. Wheeler White Pine Co. Nevada - 9000 ft. - July 9, 1938

2474 Barbarea orthoceras Wedeb.
As 2473 - flowers yellow

2475 ~~Lappula~~ Hackelia patens (Nutt.) Gtn.
Among sagebrush - near Lehman Crk. - as 2473.

247[illegible] Aquilegia scopulorum Tidestrom
Flowers white - among rocks - alpine peak - east of Mt. Wheeler - Snake Range - alt. 11,000 ft. White Pine Co. - Nevada - July 9, 1938 - eastern-most peak of Wheeler massif.

2477 Arabis Lemmonii
Flowers purple - stems several - growing among rocks - as 2476 - siliques horizontal to somewhat erect

2478 Penstemon brevis A. Nels. ~~off~~.
Flowers purple - low - ~~scap~~ caespitose - in crevices of rocks - as 2476.

2479 Draba lanceolata Royle det. Hitchcock
Flowers white, caespitose, as 2476.

2480 Castilleja lapidicola Heller
Corolla deep, dull reddish, among rocks, as 2476.

2481 Pseudocymopterus humboldtensis (Jones) Mathias Umbelliferae
det. Mathias
Stems decumbent, among rocks, as 2476.

2482 Astragalus
Flowers purple, white keel, among rocks, as 2476.

2483 Phlox
Flower white to pale bluish - as 2476.

2484 Penstemon Keckii Clokey n.sp.
~~Plate~~ Flowers blue - among rocks - alt. 10,000 ft. - 2 mi. south of Lehman Creek - Mt. Wheeler - White Pine Co. - Nevada - July 8, 1938.

2485 Arabis fendleri
siliques pendulous - stems one or two - rocky soil - aspen zone - 10,000 ft - as 2484.

2486 Arabis drummondi

Among grass - under aspens - flowers white - as 2484.

2476. 2487 Corallorhiza maculata Raf. det. L. Wild. Orchidaceae

Apparently parasitic on ~~xxxx~~ ceanothus. as 2484. Lip yellowish. - Blade white with purple dots.

2488 Arabis Kolbellii Hornem. var. retrofracta (Graf.) Rydb.

2476. Limy knoll - siliques strictly reflexed - 4 mi. s.w. of Ely - White Pine Co. - Nevada - July 10, '38 - elev. 6500 ft.

2489 Cryptanthia flavoculata (Nels.) Payson

Under junipers - as 2488

2490 Stanleya viridiflora Nutt.

38. Stem branched - as 2488

2491 Penstemon deustus Dougl.

Flowers white - stems numerous - rock slide - as 2488

2492 ~~Streptanthus~~ cordatus Nutt.

Open hillside - siliques divaricate - 4 mi. s.w. of Ely - White Pine Co. - Nevada - July 10, '38 - alt. 6500'

2493 Stanleya pinnata (Pursh) Britt.

Stems numerous - lower leaves divided, upper entire - siliques arcuate - limy outcrop - 32 mi. s.w. of Ely - White Pine Co. - Nev. alt. 6000 ft (+) - July 10, '38.

2494 Caulanthus crassicaulis (Torr.) Wats.

Dry knoll - juniper formation - 42 mi. s.w. of Ely - Nye Co. - Nevada - 6500 ft - July 10, '38.

2495 Erysimum

Stem branched - ~~single~~ - as 2494.

2496 ~~Streptanthus~~ Caulanthus pilosus Wats

Stems one or few, basal leaves divided, with stipules on volcanic cinders, pass over Pancake Mtn., 84 miles s.w. Ely, Nye Co., Nev., July 10, '38 alt. 6,000 ft

2497 ~~Epilobium~~ Oenothera alyssoides H. & A. var. villosa Wats.

Few pinks - as 2496

Nevada

2498 Stanleya pinnata (pursh) Britt.
Flowers less divided, Pods arcuate - Between Pancake & Hot Creek Ranger, 60 miles N. E. ~~Tonopah~~ Tonopah, Nye Co., alt. 5,500 ft. July 10.

2499 Stanleya elata M. E. Jones
Stems one or few, 2 - 3½ ft. high, among sagebrush siliques straight or slightly arcuate. 2 miles west of 5 Mile Spring, Nye Co., Nev., alt. 6,000 ft. July 10, '38

2500 Penstemon Bridgesii Gray
Stems numerous from woody base - flowers scarlet - among rocks in Jet canyon - eastern slope Toiyabe Mts - 8½ mi. west of Round Mountain - Nye Co. - Nevada - July 11, '38. alt. 6000 ft.

2501 Stanleya elata Jones
Stems one to several - as 2500.

2502 Physaria Chambersii sp. nov.
Scree slope in the Toiyabe mountains, 15 miles west of Round Mountain, Nye county, July 11, '38 - alt 8,000 ft. - Jet canyon Creek watershed

2503 ~~Streptanthus~~ Caulanthus major (Torr.) Payson
Fls. dirty white, among sagebrush - alt. 7,000 ft as 2502

2504 Ribes cereum Dougl.
Fruits orange - shrub 3-4 ft. - 7,000 ft. - as 2502

2505 Eriogonella Kingii Watson
Stems decumbent; dry granitic slope, Toiyabe mts. 15 mi west Round Mountain, Nye Co. Nev. Canyon July 11, '38 - alt 9,500 ft. - Jct. creek, water shed

2506 phlox Stansburyi (Torr.) Heller
Flr white - as 2505

2507 pentstemon speciosus Dougl.
Flr blue - as 2505

2508 Gilia congesta Hook.
var. montana (Nels. & Kenn.) constance & Rollins
Flr white - as 2505 - anthers blue

2509 Arabis
among sagebrush at 7,000 ft. - otherwise as 2505

2510 Cryptantha humilis (Gray) Payson
Flr. white - as 2505

2511 Arabis
Under Pinus monophylla - at 7,500 ft.

2512 Arabis
Open area at 9,000 ft - as 2505

2513 Amsinkia tessellata Gray Boraginaceae
Flr yellow. - Scree slopes under pine
as 2505 - alt. 8,500

2514 Nemisia rediviva Pursh
Flr white - fos. not present - as 2513

2515 Astragalus oophorus Wats.
pods inflated - among sagebrush - alt. 7,000 ft.

2516 Prunus andersonii Gray Shrub -
1-4 ft high - as 2515

2519 Populus hastata Dode

Tree 15-25 ft high, lvs large, upper dark glossy green, lower surface whitish, buds very sticky- 8 1/2 mi west Round Mt. - foothills of Toiyabe mtns., Nye Co., Nev., July 12, '38 - alt. 6,300 ft, Jett Canyon

2518 Stanleya pinnata (Pursh) Britt.
flowers imperfect, lower lvs divided
sandy soil near Round Mountain, Nye Co., July 12, 38 - alt. 5,500 ft

2519 Arabis lignifera A. Nelson

siliques spreading - petals pink to purple among sage-brush near South Twin Creek, eastern base of Toiyabe Dome, Toiyabe mtns., Nye Co., Nev. July 13, 38, alt. 9,000 ft

2520 Arabis Fernaldiana W. sp.
petals deep pink to purple, siliques erect., stems numerous, in the rocks + around sagebrush, eastern slopes of Toiyabe Dome, Toiyabe mtns, alt. 10,000 ft - on 2519

2521 Frasera speciosa Dougl
corolla with blue spots. open eastern slopes of Toiyabe Dome, alt 11,000 ft. on 2519

2522 Arabis
among rocks at 11,000 ft. on Toiyabe Dome, on 2519

2523 Valeriana puberulenta Rydb.
open slopes of Toiyabe Dome, alt 11,000 ft - on 2519

2524 Ranunculus Oxynotus Gray
moist slopes at 11,000 ft. - on 2519

2525 Draba densifolia Nutt.
wind swept slopes of Toiyabe, 11,000 ft. - on 2519

25·26 Triphysaria
Fls. reflexed, pink: -
Rocky eastern slope of Taiyabe Dome, alt. 10,500 ft. -
Taiyabe Mts, Nev., July 13, '35 - Nye Co.,

25·27 Draba aida C.L.H. ined.
as 25·25

25·28 Thlaspi glaucum A. Nels.
among rocks at 10,000 ft. - as 25·26

25·29 Eriophyllum lanatum (Pursh) Forbes
det. Constance var. integrifolium (Hook) Smiley
under P. monophylla at 9,500 ft on eastern
slope of Taiyabe Dome - as 25·25

25·30 Arabis microphylla
Rock crevices of basaltic rocks - South Twin River
6 miles west of mouth - alt. 7,500 ft. - as 25·26
Nye Co.

25·31 Mertensia oblongifolia (Nutt.) Don.
var. nevadensis (Nels.) Wilkt. H. Wmr
Rocky slope of Taiyabe Dome, alt. 11,000 ft - as 25·26

25·32 Hilia Nuttallii Heller
among sagebrush at 10,000 ft - as 25·25

25·33 Erysimum
under pines at 10,000 ft. - as 25·25

25·34 Astragalus Beckwithii T. & R.
among sagebrush - South Twin River 6
miles west of mouth - alt 7,500 ft.

25·35 Wesquerella Kingii Watson
det as 25·26
Stems decumbent, river gravel - as 25·34

2536 ~~Streptanthus~~ Caulanthus crassicaulis (Torr.) Wats.
Stems one to 3 or 4 - among sagebrush at mouth of ~~Twin~~ South Twin River, eastern slope of Toiyabe mtns., Nye Co., Nev., elev 6,000 ft. - July 14, '38

2537 Betula microphylla Bunge
Tree 15'-35' ft. high, bark yellowish.,
as 2536 - along creek -.

2538 Gilia floccosa Gray
Fls blue, annual - as 2536 - among sagebrush

2539 Eriogonum angulosum Benth. var. maculatum (Heller) Jepson
annual - among sagebrush - as 2536

2540 ~~Streptanthus~~ Thelypodium laciniatum (Hook.) Endl.
Stems usually branched, fls white - among sagebrush, 5 miles west of Eureka, Eureka Co. Nev., July 14, '38 - alt. 6,500 ft.

2541 Stanleya viridiflora Nuttall
Living bowl, 20 miles south Jiggs, Elko Co., Nev., July 15, '38 - alt. 5,700 ft.

2542 Cryptantha interrupta (Greene) Payson
Stems one or few - fls white - as 2541

2543 physaria Chambersii Rollins
Pods forming sharp angle at apex, as 2541

2544 Gilia congesta Hook.
as 2541

2545 arabis drummondi
Fls white. grassy slope at the head of Wamsille Creek, Ruby mts., Elko co., nev. July 16, '38 - alt 9,000 ft.

2546 arabis divaricarpa
Fls purple, siliques divergent. slope a head of Wamsille Cr., as 2545 - alt. 9,500 ft.

2547a = a. drummondi - data as 2547.

2547 arabis lyallii
among granitic rocks & on dry ground - as 2545 but at 9,500 ft. - fls. purple. siliques divergent

2548 Arabis holboellii var. retrofracta
as 2547

2549 Ranunculus
Moist area - as 2545 - alt. 9500 ft.

2550 Dodecatheon jeffreyi Moore
Moist creek bank - flowers pink - as 2549.

2551 Dodecatheon alpinum (Wats.) Greene
Flowers deep pink - moist areas - as 2549

2552 primula parryi Gray
moist area under rocks. alt. 10,000 ft - as 2545

2553 ~~phacelia~~ Hydrophyllum capitatum Dougl. var. alpinum Wats.
Fls white - moist slope at 10,000 ft., as 2545
det. Constance

2554 arabis drummondi
among granitic rocks - 10 - 11,000 ft. - above Liberty Pass. - as 2545

2555 Smelowskia calycina (Steph.) C.A. Meyer
Among granitic rocks - alpine situations - head of Lamoille Creek - Ruby Mts. - Elko Co. Nevada - July 16, '38 - alt. 10,500 ft.

2556 Thlaspi glaucum A. Nels.
var. herperium Payson
As 2555

2557 Draba oligosperma Nutt. det. Hitchc.
Dry rock crevices - as 2555

2558 Draba sphaeroides Payson
Dry rock crevices - as 2555

2559 Gilia Nuttallii Gray
near Lamoille Creek - mouth of Thomas Canyon - alt. 7500 ft. - July 16, '38. - Ruby Mts. - Elko Co. - Nevada

2560 Arabis hirsuta
Rich aspen woods - as 2559

2561 Wyethia amplexicaulis Nutt.
Basal leaves about 1 ft. long - open areas near woods - as 2559 (but July 17, '38)

2562 Helianthus uniflora (Nutt.) T. & G.
Stems numerous - as 2559 (but July 17, '38)

2563 Arabis glabra

Stem single, rich aspen woods - near Lamoille Creek - mouth of Thomas Canyon - Ruby Mts. - Elko Co. - Nevada - alt. 7500 ft. - July 17, '38

2564 Arabis hirsuta

Rock crevices - Lamoille Canyon - between Lamoille Crk. and Verdi Pk - stems one or several - alt. 8500 ft - July 17, '38.

2565 Penstemon ~~protensis~~ Greene

Flowers white - stems several - under aspens - as 2564. - anthers purple

2566 ~~Luzula~~ Juncus mertensiana Bong.

Along creek in moist soil - ~~alt.~~ as 2564.

2567 Zygadenus elegans Pursh

Flowers white - plants caespitose - as 2564 - moist stream bank.

2568 Physaria Chambersii Rollins

Leaves rosulate - dry hillside - between Lamoille Crk. + Verdi Pk. - alt. 9000 ft. - July 17, '38.

2569 Draba sphaeroides Payson

Dry rock crevices - siliques pubescent - as 2568.

2570 Arabis Crandallii

Near rocks - granitic soil - as 2568.

2571 Fritillaria atropurpurea Nutt.

Calix segments brown blotches on inner surface - stems one - alt. 9500 ft. - other data as 2568.

2572 Penstemon breviflorus (Gray) A. Nels.

Flowers blue - stems numerous - alt. 9500 ft. as 2568

2573 Streptanthus cordatus Nutt.

Among granitic rocks - petals purple-tipped - as 2568.

2574 Draba oligosperma Nutt.

Basal portions nearly erect - rock crevices - as 2568.

2575 Castilleja viscidula Gray

Flowers white - in rock crevices - as 2568.

2576 penstemon speciosus Dougl.

Fls blue - wet meadow, Jarbidge Mts., 15 miles S.W. Jarbidge, Elko Co., Nev. - July 19, alt. 10000 ft.

2577 Sidalcea oregana (Nutt.) Gray

as 2576

2578 penstemon Watsonii Gray

stems numerous, fls blue, as 2576

2579 Arabis Holboellii var. retrofracta

Siliques stiffly reflexed, dry hillside near Jarbidge, Elko Co. Nev., July 19, - alt. 9,000 ft.

25-80 Eriogonum heracleoides Nutt. var. minus Reveth.
Dry slope near Jarbidge, Elko Co., near Jarbidge river, July 19, 38 - alt. 9,000 ft.

25-81 ~~sidalcea~~ Sphaeralcea rivularis (Dougl.) Torr.
Stems numerous, Jarbidge Canyon, near Jarbidge, Elko Co., July 19, 38 - alt. 8,500 ft.

25-82 Eriogonum proliferum T. & G.
as 25-81

25-83 ~~Stanleya~~ pinnata (pursh) Britt.
Stems numerous - lower leaves divided - upper entire - pods arcuate - base woody - near Bliss, Idaho, on E. Elay Hills, Gooding Co. alt. 3500 ft. July 20, '38. Idaho.

25-84 pentstemon pseudoprocerus Rydb.
Fls blue, stems several to numerous
well-drained soil, 15 miles N.E. Cascade, Valley Co., Idaho - July 22, '38 - alt. 6,000 ft.

25-85 Mimulus lewisii Pursh
Fls deep rose, wet bank near a spring, Big Creek Summit, 20 miles N. E. Cascade, Valley Co., July 22, alt 6,500 ft.

25-86 penstemon fruticosus (Pursh.) Greene
Fls blue, base woody, among rocks, as 25-85

Idaho

25 87 Frasera montana Mulford
petals white, stems several to numerous,
near Warm Lake, 28 miles N.E. Cascade,
July 22, 38, alt. 5,000 ft.

25 88 Calochortus eurycarpus Wats.
on 25 87

25 89 Vaccinium ~~caespitosum Wahlenb~~ globulare Rydb.
Sub. comp. Shrub 1 ft high - under P. ponderosa + Pseudo-tsuga
Berries red. - near Warm Lake, Valley Co, Ida
alt. 5,000 ft. - July 22, 38 -

25 90 Potamogeton
sluggish stream at outlet of Warm Lake,
28 miles N.E. Cascade, Valley Co., July 22, '38
alt. 5,000 ft.

25 91 Calochortus eurycarpus Wats.
Petals white to pink - outer bluish red, inner yellow
grassy area under P. ponderosa, near Warm
Lake, on 25 90 - July 23. '38

25 92 Bromus marginatus Nees
Stems one or two, panicles nodding, under
aspens near Cascade, Valley Co., Idaho
July 24, '38 - alt. 5,000 ft.

I 5 93 ~~Bromus~~ Danthonia californica Boland
Stems several, - panicle branches often somewhat
reflexed, on 25 92

2594 Eriogonum heracleoides Nutt.
var. sep. angustifolium (Nutt.) Stokes
Base shrubby, fls white. open hillside near Cascade, Valley Co., Idaho. July 24, '38 alt. 5,000 ft. -

2595 Arabis glabra
under aspens - as 2594

2596 Eriogonum niveum Dougl.
Fls. white, stems numerous, dry slope 15 mi south of Huntington, Malheur Co., Oregon, July 29, '38 - alt. 2,500 ft.

2597 Arctostaphylos nevadensis Gray
shrub 6-12" high, bark reddish, near Anthony Lake, Blue Mts, Baker Co., Oregon July 30 alt. 7,000 ft.

2598 Ceanothus velutinus Dougl.
shrub 2-4 ft high, - as 2597

2599 Arabis Holbellii Hornem. Var. retrofracta.
dry slope, pods strictly reflexed. - as 2597

2600 Berberis repens Lindl.
Forest floor, berries blue - as 2597

2601 Mancisia chimaphila umbellata (L.) Bart.
var. occidentalis (Rydb.) Blake
Fls red & white, base shrubby, as 2597

2602 Pyrola picta Smith
Fls greenish yellow - as 2597

2603 Bromus
dry bank - as 2597

2604 Vaccinium scoparium Leiberg
Pumice red - bare shrubby - as 2597

2605 arnica mollis Hook.
Stems single -

2606 Allium validum Wats.
moist spring - as 2597

2607 Castilleja miniata dougl.
Fls red. - dry bank - as 2597

2608 Eriophyllum lanatum (pursh) Forbes
var. integrifolium (Hook.) Smiley
Stems numerous, dry bank - as 2597

2609 Sanguisorba canadensis L. ?
var. latifolia Hook.
Forming great beds, stoloniferous, near Anthony Lake,
Blue Mtn., Baker Co., Ore., July 30, '38 - alt. 7,000 ft.

2610 Castilleja Cusickii Greenman
Fls. white, & C. miniata dougl. - see ownbeja letter.
moist area - as 2609

2611 Mimulus Lewisii Pursh
Fls red, moist places - as 2609

2612 Lupinus Burkei Wats.
Stems few, fls blue, dry meadow - as 2609

2613 phyllodoce empetriformis (Sm.) Don.
Forest floor, as 2609

2614 Valeriana sitchensis Bong.
Rhizomatous, dry hillside - as 2609 only July 31

2615 Penstemon attenuatus Lindl.
Fls white, stems several - dry hillside
July 31 - as 2609

2616 Habenaria dilatata (Pursh) Hook.

Fls. white, wet marsh near Anthony Lake, Baker Co., Ore., July 31, '38 - alt. 7,000 ft. Blue mts.,

2617 Saxifraga rivularis (Linn.) Small

Fls. white - as 2616

2618 Solidago elissa Greene

Stems several, Sunlight peak near Anthony Lake, Blue mts., July 31, '38 - alt 8,000 ft. Baker Co., Ore.

2619 Claytonia megarhiza (Gray) Parry

dry soil in crevices of granite rocks. as 2618

2620 Hieracium gracile Hook. comp.

grassy dry slope - as 2618

2621 Veronica cusickii Gray

grassy dry slope, as 2618

2622 Penstemon fruticosus (Pursh) Greene

Fls blue, base woody, dry slope - as 2618

2623 ~~Veronica~~ Mimulus implexus Greene

Fls yellow, red spotted, dry rock crevices, as 2618

2624 Heuchera ovalifolia Nutt.

Fls white, stems numerous, as 2618

2625 Saxifraga bronchialis L.
var. austromontana (Wieg.) Piper
dry rock crevices, Sunlight Peak near Anthony Lake, Blue Mts., Baker Co., July 31 alt. 8,000 ft

2626 Spraguea multiceps Howell ?
dry or moist granitic soil, as 2625

2627 Eriogonum ovalifolium Nutt. var. nivale Jones
matted at top of peak, 8,500 ft., as 2625

2628 Pedicularis
Forest floor at 8,000 ft. - as 2625

2629 Phyllodoce ? Cassiope mertensiana (Bong.) Don.
sub-shrubby, matted, fls. white - as 2625

2630 Arabis
dry woods., alt 7,500 ft., as 2625

2631 Arenaria capillaris Poir.
fls white, basal lvs bluish, - as 2625

2632 Arabis Holboellii Hornem.
var. retrofracta (Graham.) Rydb.
shade of rocks - silique spreading to somewhat pendulous, - as 2625 - alt. 8,000 ft. —

2633 Arabis lyallii
among granite rocks, as 2625 - alt. 8,000 ft.

2634 Rhododendron albiflorum Hook.
Shrub 1 - 4 ft. high growing from crevices of rocks, fls. white, gamopetalous, as 2625

2635 Silene oregana Wats.
Flr white, petals laciniate, stems one to few.
Sunlight Peak, near Anthony Lakes, Blue Mts.,
Baker Co., Ore., July 31, '38 - alt. 8,000 ft.

2636 Claytonia parviflora Mog.
Flr pinkish, rock crevices in dry soil
as 2635

2637 Lupinus monticola Rydb.
Flr blue, stems somewhat decumbant, as 2635

2638 Eriogonum elatum Dougl.
Flr white, stems several, 2-4 ft. high.
Basaltic dry slopes near ~~Natches~~ Nacher
River, 28 miles N. W. Yakima, Yakima Co.,
Wash., Aug. 2, '38 - alt. 1500 ft.

2639 Prunus emarginata (Dougl.) Walp.
Barrier red. shrub 4-10 ft. high. as 2638

2640 Phyllodoce empetriformis (Sm.) Don -
Flr red to pinkish, Chinook Pass near east
entrance to Rainier nat. park, Yakima Co., Aug. 2, '38
alt. 5,500 ft. -

2641 Luetkea pectinata (Pursh) Ktze. ?
grassy slope - as 2640

2642 ~~Sambucus~~ Sorbus occidentalis (Wats.) Greene
Shrub 3-6 ft. high - gentle hillside
as 2640

2643 Saxifraga Marshallii Greene

Fls white - as 2640

2644 Arnica ? betonicaefolia Greene

Stems numerous, stoloniferous - as 2640

2645 ~~Orchis ?~~ Corallorhiza mertensiana Bong - det. H. Weid.

Rich woods near Constance Creek, Olympic Mts. Jefferson Co. Washington - alt. 3000 ft. - Aug. 4, 1938

2646 Linnaea borealis L.
var. longiflora Torr.

Shaded woods - as 2645.

2647 Erigeron simplex Greene

Rock cliff - Lake Constance, ~~Boca~~ Olympic Mts. - south slope of Mt. Constance - Jefferson Co. Washington - alt. 5500 ft. - Aug. 4, 1938.

2648 Phlox diffusa Benth.
subsp. longistylis Wherry

Flowers white to pink - rocky cliffs near Lake Constance - other data as 2647.

2649 Phacelia magellanica (Lam.) Cavill.
f. angustifolia Brand

Flowers white - dry rock slope - as 2648.

2650 Vaccinium membranaceum Dougl.

Shrub 6 in. to 1½ ft. high - berries blue - as 2648 - in ~~com~~ open coniferous forest.

2651 Silene Douglasii Hook.

Flowers white to pink - stems several - as 2648.

2652 Arabis Drummondii

Siliques erect - stems one to few - rocky slope - as 2648

2653 ~~Coptis~~ Elmera racemosa (Watson) Rydb.

Rock crevices - near Lake Constance - south slope of Mt. Constance - Olympic Mts. - Jefferson Co. - Washington - alt. 5500 ft. - Aug. 4, 1938.

2654 Arnica betonicaefolia Greene

Stems one or few - other data as 2653

2655 Lilium columbianum Hanson

Flowers usually three, nodding - moist slope - as 2653

2656 Rhododendron albiflorum Hook. Shrub

Flowers white - 3 to 5 ft. high - as 2653.

2657 Castilleja hispida Bentham

det. M. Owenby

Stems several - cauline leaves divided at apex - as 2653

2658 Sedum spathulifolium Hook

among rocks, near constance creek, south of constance mts, alt. 4,500 ft. - Olympic mts., Jefferson Co., Wash. - aug. 4, '38

leaves grayish - dipped in boiling water.

2659 Spiraea Hendersoni (Canby) Piper

Base woody - flowers white - crevices of rock. as 2658

2660 Eriophyllum lanatum (pursh) Forbes var. typicum constance

det. constance

Dry slope - stems numerous - as 2658.

2661 Campanula piperi Howell

Flowers blue - rock crevices - as 2658

2662 Penstemon serrulatus Menz.

Flowers purple - stems several - ~~xxx xxx~~ dry slope - near Constance Creek - south slope of mt. Constance - alt. 4500 ft. - Olympic Mts. - Jefferson Co. - Washington - Aug. 4, 1938.

2663 Claytonia arenifolia Bong.

Rock crevices - as 2662.

2664 Penstemon nemorosus (Dougl.) Trautv.

Flowers reddish purple - stems single - among rather dense undergrowth - as 2662.

2665 Fern

crevices of rocks - as 2662

2666 ~~Kalmia~~ Chimaphila umbellata (L.) Bart.
var. occidentalis (Rydb.) Blake

Under Douglas Fir; south slope of Constance pass, 3 miles north of Dosewallips River, Olympic Mts., Jefferson Co., Wash. - Aug. 5, '38 - alt. 3,000 ft.

2667 arctostaphylos tomentosa (Pursh) Lindl.

Shrub 2 - 4 ft. high, bark reddish, - dry slope - as 2666

2668 ~~Arctostaphylos~~ Gaultheria shallon Pursh

Low shrub 6" - 2 ft. high, forest floor - as 2666

2669 Vaccinium parvifolium Sm.

Shrub 2 - 4 ft. high, bark gray, berries red, dry slopes of the forest floor, as 2666.

2670 ~~Scrophularia~~ Stachys ciliata Dougl.

Flrs. red, damp hillside, south side of cumtaine Pass, 4 miles north of Rosevallips River, olympic [illegible], aug. 5., Jefferson. - alt. 6,000 ft.

2671 Bensonia calycosa Drisch.

moist stream bank — as 2670

2672 Veratrum viride Ait.

Flrs. greenish — as 2670 - moist slope

2673 aconitum

Flrs. deep blue, moist slope., as 2670

2674 castilleja miniata Dougl.

moist slope - as 2670

2675 penstemon Tolmiei Hook.

Flrs purple, with a reddish tinge, stems numerous, dry slope - as 2670

2676 Aster paucicapitatus Robinson comp.

stems numerous, dry slope - as 2670

2677 ~~Stanleya~~? Leucisia columbiana (Howell) Robinson

dry slope - stems several, flr. pink, as 2670

2678 Castilleja oreopola Greenman

Stems several to numerous, flr. pink. - as 2670

2679 moist meadow
artemisia ludoviciana Nutt.

Flrs. white., moist meadow, stems numerous, as 2670

2680 Spiraea densiflora Nutt.

Flrs pink, shrub 2-4 ft. near stream, as 2670

2681 Epilobium luteum pursh

Flrs. white, moist stream bank, south slope of Constance Pass, 4 mi north of Dosewallips River, Olympic Nat'l Park, Jefferson Co., Aug. 5, alt. 6,000 ft.

2682 Campanula Scouleri Hook.

dry hillside - flr pale blue.- as 2681

2683 Vaccinium membranaceum Dougl.

Shrub 2-3 ft. high, berries black, open slope- as 2681

2684 ~~Lapsana~~ Agoseris gracilens (Gray) Kuntze

dry slope - as 2681

2685 Hieracium albiflorum Hook. comp.-

dry slope - as 2681

2686 Mimulus guttatus DC.

Stems one to few, moist stream bank.- as 2681

2687 Montiopa hyssopifolia L. ?

chlorophyllous ~~leaves~~ - Douglas fir woods, dry slope - ~~as 2681~~ 3 mi no. Dosewallips, alt. 3,000 ft - as 2666 -

2688 Salix Scouleriana Barratt var. Thompsonii Ball

Tree 10-15 ft. high, bark grey, cut-over Douglas-fir forest, near Shawnigan Lake, Vancouver Dr., B.C. Canada alt. 300 ft., Aug. 7, 1938

2689 Berberis nervosa Pursh

Berries blue.-

2690 Graphalium microcephalum Nutt. comp.-

Island Highway - 10 miles north Victoria as 2688

2691 Grindelia aggregata Steyermark ex char.
Stems numerous - 1-2 ft. high, dry ground near the Strait of Juan de Fuca, near Victoria, B Vancouver Is., B.C., Canada, Aug. 7, '38

2692 Lomatium nudicaule (Pursh) C.&R. umbellifer.
dry hillside near top of Blue mt., Olean Park Recreational area, Clallam Co., Aug. 8, '38. alt. 6,000 ft. -

2693 Hedysarum occidentale Greene
dry bank, Blue mt. - alt. 5,500 ft. - as 2692

2694 Epilobium Hornemanni Reichenb.
Flr. pink, stems numerous, dry hillside on Bogachiel Ridge, headwaters of Hoh River, Clallam Co., Wash, Aug. 9, '38 - alt. 5,000 ft.

2695 Luina hypoleuca Benth. comp.
Rock crevices - as 2694

2696 Douglasia laevigata Gray
var. ciliolata Constance
Flr X pink & red, rock crevices as 2694

2697 phlox diffusa Benth. subsp. longifolia Wherry
Flr bluish-white - rock crevices - as 2694

2698 Ranunculus Eschscholtzii Schlecht.
Recent snowbank on moist ground - as 2694

2699 Thlaspi glaucum A. Nels
var. leiocarpum Payson
dry grassy slope, stems several
as 2694

2700 Saxifraga Tolmiei T. + R.

Moist rock surfaces near melting snow, Bogachiel Ridge, headwaters of the Hoh River, Clallam co., Wash., olympic mts., aug. 9, 58 alt. 5,000 ft.

2701 Penstemon Menziesii Hook.

Rock crevices, flr. carmine - as 2700

2702 Romanzoffia unalaschcensis var. floccosa S.M. Tower umbellifer.

dry slopes, as 2700

2703 Polygonum Newberryi Small

Flr. green, stems numerous, as 2700

2704 Hedysarum occidentale Greene

Rocky cliff, flr carmine, stems numerous, as 2700

2705 Carex spectabilis Dewey

moist soil near melting snow, as 2700

2706 Gentiana calycosa Griseb.

stems numerous, grassy slope - as 2700

2707 Erythronium montanum Wats.

Flr. white, near melting snow, as 2700

2708 Cassiope parviflora Bongard. (C. olympica Jones)?

Flr. purple, dry grassy slopes, as 2700

2709 Monotropa hypopitys L. saprophyte

Stems several from a single clump. floor of hemlock forest, Sol Duc River - 4 miles east Sol Duc Hot. springs, Clallam Co., Wn. - alt. 3,000 ft. - aug. 9.

Washington

2710 Vaccinium membranaceum Dougl.

Shrub 3-5 ft. high, bark greyish, fruit black and compressed, devoid of bloom. - forest floor near Deer Lake, 4 miles southeast of Sol Duc Hot Springs, Clallam co., Wn. Olympic mts., Aug. 9, '38 - alt. 3,500 ft.

2711 Vaccinium ovalifolium Sm.

Shrub. 3-6 ft. high, ~~fruit~~ bark reddish, berries blue from a bloom, ellipsoidal, - forest floor & along streams, near Deer Lake etc. as 2710

2712 Acer circinatum Pursh

Hemlock forest floor, tree 15'-30 ft high, near Soleduck Hot Springs, 41 miles southwest of Port Angeles, Olympic mts, Clallam co., Wash. Aug. 10, '38 - alt. 1750 ft.

2713 Sambucus callicarpa Greene

det. S.N. Sower

Berries red, shrub about 10 ft. high - open park near Soleduck River 10 miles east of Soleduck Hot Springs, Olympic mts., Clallam co. Wn., Aug. 11, '38 - alt 3,500 ft.

2714 Vaccinium parvifolium Sm.

Shrub 3-6 ft. high, bark grey, berries red, forest floor near Soleduck River 5 mi. east of Soleduck Hot Springs, alt. 2,500 ft. - other data as 2713

det. comp.

2715 Sedum oreganum Nutt.

Leaves reddish, rock crevices of sea cliff, Cape Perpetua, ~~Benton~~ Lincoln Co., Oregon, Aug. 13, '38

2716 Bellis perennis L. Comp.

rays white - as 2715

2717 menthinum? mint

Fls purple, as 2715

2718 Sambucus glauca Nutt.

Shrub - 10-15 ft. high, berries blue - 10 mi. so. of Ashland, Josephine Co. Oregon, ~~Siskiyou Mts.~~ alt. 4500 ft. Aug 14, 1938.

Alt. N. Sum

2719 prunus emarginata (Dougl.) Walp.

Shrub or small tree, 10-15 ft. high, fruits red, as 2718. var. nov.

2720 Eriogonum nudum Dougl.

Fls yellow, stems several, near Klamath River, 3 mi so. Hornbrook, Siskiyou Co., Calif., Aug. 14, '38 - alt 3,000 ft.

2721 Eremocarpus setigerus Benth.

Roadside - as 2720

2722 arctostaphylos patula Greene

Shrub 5-10 ft. high, bark reddish, under P. ponderosa. 3 miles south of Weed, Siskiyou Co. Calif. Aug. 15, '38 - alt. 3,000 ft.

2723 Eriogonum nudum Dougl.

Fls white, as 2722

2724 Astragalus Menziesii Gray
Pods inflated
Stems numerous from a woody creeping basal portion;
sandy soil at point Joe, Monterey peninsula,
Monterey Co., Calif. - Aug. 20, 1938 -

2725 Cupressus macrocarpa Hartw.
Tree 20 - 40 ft high, point Lobos, Monterey Co.,
Calif. Aug 20, '38

2726 Lichen
Rust colored on bark of Cupressus macrocarpa.

2727 Lotus scoparius (Nutt.) Ottley
Sandy soil ~~on~~ on steep slopes near ocean,
5 miles south of Big Sur, Monterey Co.,
Aug. 21, 1938

2728 Baccharis pilularis DC. Comp.
Shrub 3 - 5 ft high, bark grey - as 2727

2729 Eriogonum parvifolium Smith
shrubby, flr white to deep pink, as 2727

2730 Eriophyllum confertiflorum (DC.) Gray
Base woody - as 2727

2731 ~~Ceanothus~~ ?. Photinia arbutifolia (Ait.) Lindl.
Small tree 10 - 15 ft. high - steep slopes
in the Santa Lucia mts., coast highway -
King City, 10 miles east of coast. - alt 2,500 ft..
Aug. 21, '38

2732 ~~Corylodia~~ Dicentra chrysantha (H. & A.) Walp.
Stems numerous, glaucous, 2 - 5 ft. high, dry slope, 3 mi. east Mt Crumbine peak, 12 mi. no. Santa Barbara, Santa Ynez Mts, Santa Barbara Co., Calif. - aug. 12, '38 alt. 3,500 ft.

2733 Nicotiana glauca Graham
Non-woody tree 10-15 ft. high, fls yellowish, stem apparently hollow & beardless?
Dry canyon near La Jolla, San Diego, S. Diego co, Calif.. Sept. 1, 1938 - - nearly new-used

2734 Eriogonum fasciculatum Benth. ssp. argophthroides (Jepson.) Stokes
Shrub 1-3 ft.. dry hillside 10 miles southwest of Tijuana, Lower Calif.. Mex., - Sept. 2, 1938. - alt. 300 ft. -

2735 Aplopappus venetus (H.B.K.) Blake var. vernonioides (Nutt.) Munz.
comp. - shrub 1-3 ft.. woody base - as 2734

2736 Adenostoma sparsifolium Torr.
Shrub or small tree - 3 to 10 ft. high - bark reddish - 10 mi. west of Alpine, San Diego - El Centro, alt. 3500 ft. - San Diego Co, Cal. - Sept. 2, 1938, dry slope.

2737 Eriogonum fasciculatum Benth ssp. foliolosum (Nutt.) Stokes
Shrub, 1-3 ft. High, flws. white, as 2736 dry slope.

2738 Aster Corethrogyne filaginifolia (H & A) Nutt.
var Virgata (Benth.) Gray
flows. purple, stems several, dry slope, 10 mi. west of Alpine, San Diego - El Centro, San Diego Co., alt. 3500 ft, Sept. 2, 1938.

2739 Gutierrezia sarothrae (Pursh) Britt. & Rusby
stems numerous, grayish, as 2738.

2740 ~~Cactus~~ Cladothrix lanuginosa Nutt.
Flr yellow.
Annual - dry ground under the cacti. 10 miles southeast of Tucson, Pima co., ariz. alt. 2,500 ft. - Sept. 3, 1938

2741 ~~Data~~ ? acacia constricta Benth.
Thorny
Shrub 2 - 4 ft. high, margin of a dry arroyo, 25 miles east of Tucson, Pima Co., Arizona. Sept. 3, 1938, - alt. 2,500 ft.

2742 Prosopis velutina (Sarg.) Woot. Leguminosae
thorny -
Small tree 10 - 20 ft. high -. as 2741

2743 Larrea tridentata (DC) Cov.
Shrub 3 - 5 ft. high, - as 2741

2744 ~~Caulanthus~~ Talinum angustissimum (Gray) W. & S.
Flr lemon yellow, stems few. - open sandy plain near Wilcox, Cochise Co., ariz. alt. 4,000 ft. - Sept. 3, 1938

2745 ~~Caulanthus~~ Talinum amanthicum Engelm.
Flr orange to reddish, stems few - as 2744

2746 Eriogonum Abertianum Torr.
annual; fls white; - sandy soil on the plain near Wilcox, Cochise co., ariz. - alt. 4,000 ft. Sept. 3, 1938

2747 Lepidium Thurberi Wooton
stems several, perennial, sandy soil near an arroyo, 2 miles west of Bowie, Cochise Co., Ariz. Sept. 4, 1938 - alt. 3,700 ft.

2748 Eriogonum rotundifolium Benth.
annual; stems numerous, fls white.,
sandy soil - as 2747

2749 ~~phaeadis~~ Solanum elaeagnifolium Cav.
Fls purple, foliage whitish, stems few, -
fine granitic soil on open plain, 15 miles east of Lordsburg, Grant Co., N. Mex., Sept. 4, 1938 alt. 4,000 ft.

2750 Eriogonum polycladon Benth.
single flowered annual, - as 2749.

2751 Hymenothrix Wislizeni Gray Comp. -
stem single or several from base. as 2749

2752 Lepidium montanum Nutt. var. angustifolium C.L. Hitchc.
Dry granitic soil near Las Cruces, Dona Ana Co., N. Mex., Sept. 4, '38 - alt. 4 000 ft.

2753 Asteroglea Wislizeni Engelm.
fruiting abnormal after a rainy spell, - may be two things or as 2752

2754 Gilia longiflora (Torr.) G. Don.

Fls purple, stems few to several, granitic soil in barranca shrub formation, 6 miles west of Sierra Blanca, Hudspeth Co., Texas, Sept. 5, '38 - alt. 4,500 ft.

2755 Eriogonum Abertianum Torr. Polygonaceae

as 2754

2756 Perezia nana Gray comp.

stems few, ligules purple - as 2754

2757 Psilostrophe gnaphalodes DC.

Base woody, stems few to several, limy hillside, north edge of Davis Mts., 5 mi. east of Kent, Jeff Davis Co., Texas, alt. 4500 ft., Sept. 5, 1938

2758 Viguiera stenoloba Blake Comp.

Flws. orange, shrub, 2-3 ft. high, as 2757.

2759 Gilia Houstonia acerosa Gray

Stems few, ascending, flws. white, as 2757.

2760 Dyssodia pentachaeta (DC) Robinson Comp.

Flws. yellow, perennial, herbaceous, rocky knoll, as 2757.

2761 Euphorbia serrula Engelm.

Stems prostrate, gravelly soil, as 2752

2762 (mixed collections)

2761a Euphorbia stictospora Engelm.

2762 Eriogonum wrightii Torr.

Stems numerous, flws. white, granitic soil among brush, 3 mi. so. of ~~Alpine~~ Joyahvale, Reeves Co., Tex., alt. 4500 ft., ~~Sept. 5, '38~~ Sept. 5, '38.

2763 Euphorbia Fendleri T. & G. var. typica

Stems numerous, ascending, among rocks, as 2762.

2764 Euphorbia ~~serpyllifolia~~ pera. ~~Hooker (T. & G.) Wheeler~~

Stems numerous, decumbent, granitic soil 5 mi. east of Alpine, Brewster Co., Tex., alt. 4500 ft., ~~Sept. 5, '38~~ Sept. 5, '38.

2765 ~~Eriophyllum~~ Baileya multiradiata Harv. & Gray

plants 1-2 ft. high - roadside in granitic soil, 6 miles West of Sierra Blanca, Hudspeth Co. Texas, Sept. 5, 1938 - alt. 4, 500 ft.

2766 Oenothera tubicula Gray

perennial, slightly woody, open plains in granitic soil, 6 miles south of Marathon, Brewster Co, Texas, Sept. 6, '38 - alt. 4,900 ft.

det. Parks

2767 ~~Hymenothrix~~? Nerisyenia campanum (Gray) Greene

Flrs. white to purple, stems several, intricately branched, dry granitic soil, 6 miles no. Rio Grande River, Big Bend State Park, Brewster Co., Texas Sept. 6, 1938, alt. 3,000 ft.

2768 Kallstroemia grandiflora Torr. ~~Papaveraceae~~

dry valley of an arroyo, flrs. orange, stems numerous, plants 2-3 ft. high - as 2767

2769 Mentzelia
Dry rocky hillside, near Rio Grande River at mouth of Santa Helena Canyon, Brewster Co., Texas
Sept. 6, '38 - alt. 2,200 ft.

2770 Euphorbia simulans Wheeler sp. nov. niads.
as 2769

2771 ~~Mirabilis~~ Boerhaavia gracillima Heimerl.
subsp. decalvata Heimerl.
Fls. purple, stems several, as 2769

2772 ~~Mirabilis?~~ Boerhaavia intermedia Jones
Fls. ~~pinkish~~ to white. as 2769

2773 ~~Nidia~~ Bouvardia ternifolia (Cav.) Schlecht.
Fls. scarlet, among oak brush + in open.
Chisos Mts., Big Bend State Park, Brewster Co., Texas
Sept. 6, 1938 - alt. 5,000 ft.

2774 Phlox nana Nutt.
subsp. ensifolia Brand
Fls purple, perennial, stems few. - as 2773

2775 Salvia regala Cav.
Shrub, 3 - 5 ft. high, bark gray, canes numerous.
fls scarlet, as 2773

2776 ~~Silene~~ Silene laciniata Cav.
var. Greggii Watson
stems few, fls scarlet, among brush
as 2773

2777 Eriogonum linearifolium (Bray) Payson
Fls. purple, - as 2773

2778 penstemon barbatus (Cav.) Roth.
var. Torreyi Gray
Stems single or few, fls red to scarlet., Chisos Mts., Big Bend State Park, Brewster Co., Texas, alt. 5,000 ft. - Sept. 6, 1938

2777 Pectis papposa Harv. & Gray Comp.-
Sandy soil, fls yellow. 6 miles no. Rio Grande River, Big Bend State park, Brewster Co. Texas, alt. 3,000 ft. Sept. 6 38

2780 ~~Otonia~~ Nyctaginia Cockerellae A. Nels.
Fls. scarlet, stems numerous, decumbent, 1-3 ft. long, granitic soil, open prairie, 25 miles west of Sanderson, Brewster Co., Texas, Sept. 7, '38 - alt. 3,000 ft.

2781 Lippia ligustrina (Hay.) Britt.
Shrub 2-4 ft. high, bark grey. fls. white. Wing draw, 15 miles west of Langtry, Val Verde Co., Texas, Sept. 7, '38 - alt. 2,000 ft.

2782 Heliotropium confertifolium Tor.
perennial, fls. white, stems numerous.-
as 2781

2783 Desmodium
Small tree, 10-15 ft. high, bark brownish, pubescent, 4 mi. west of Brackettville, Kinney Co., Texas, alt. ± 1500 ft., open plain Sept. 7, 1938

2784 Cassia aspera Muhl. var. mohrii Pollard

Shrub 1-3 ft. high. flr. yellow - bottom lands near Sabine River, 20 miles west of Lake Charles, Calcasieu Co, Louisiana, Sept. 8, 1938

2785 Ilex glabra (L.) Gray

Shrub 3-4 ft. high. bark grey, under the pines 10 miles south of Wiggins, Miss., Sept. 9, 1938 -

2786 Lespedeza intermedia (Wats.) Britt. Legum.

Perennial, flrs. purple, stems single, open pine woods, 15 mi. east of Tuscaloosa, Tuscaloosa Co, Alabama, Sept. 10, '38.

2787 Strophostyles umbellata (Muhl.) Britt. Legum.

Vine, stems decumbent, flrs. purple, as 2786.

2788 Cassia nictitans L. Legum.

Flrs. yellow, stems one to few, as 2786.

2789 Desmodium dillenii Darl. Legum.

flr.

10 miles southwest of Chattanooga, Tenn, in Dade Co., Georgia, Sept. 10, 1938

2790 Euphorbia corollata L.

stems one to several flr. white, dry rocky talus near Ocoee River, 18 miles east of Cleveland, Polk Co, Tenn. - Sept. 11, 1938

2791 Euphorbia ~~montana~~ marginata b. ~~bag~~.
Stems several & highly branched, decumbent, dry roadside near the Arcola River, 18 miles east of Cleveland, Polk Co., Tenn.. Sept. 11, '38.

2792 plantago aristata Michx.
Fls white, as 2791

2793 Scirpus
as 2791

2794 Gerardia tenuifolia Vahl. rare pl.
Fls pink, moist talus -- as 2791

2795 Rhexia virginica L. rare pl ?
Fls scarlet. - moist soil in open

2796 Impatiens biflora Walt.
Fls yellow, much branched, stems green & semi-woody, 2 - 3 ft. high, - woods & moist bank between Topton & Bryson city, Swain Co., North Carolina, Sept. 10, 1938

2797 Lobelia siphilitica L.
Fls. purple - stem one or few. - as 2796

See 2283 - 2292 for numbers 2798 to 2807

2798 to 2807

2806 = Leucanthemum pinnata subsp. halisteum ?

2808 Castilleja flava Watson
Plat 7 rom Buttle, southern Lincoln Co., Wyo
June 16, 1938 - alt. 7,600 ft.

2809 Stanleya viridiflora Nutt.
Gravelly knoll, 3 miles east Green River,
Sweetwater County, alt. 6,500 ft. - June 26, 1938

2810 Stanleya pinnata
11 mi. so. Pueblo, Pueblo Co. Colo., May 19, 1938
Buds for cytological purposes - plants same as from
near Florence - no plants preserved.

2811 Arabis
dry sandy under river, 6 miles east of Flagstaff,
Coconino Co., alt. 6,500 ft. - July 5, 1938.
With T.S. Chambers

Income [illegible]
capital - 92.00

EXPENDITURE.

Tennis [illegible] 3.75

Olympia - 5 Running Track [illegible] 6.00

[illegible] .04

[illegible] Relay [illegible] 23.25

Cambridge - Hurdle cup 1.50

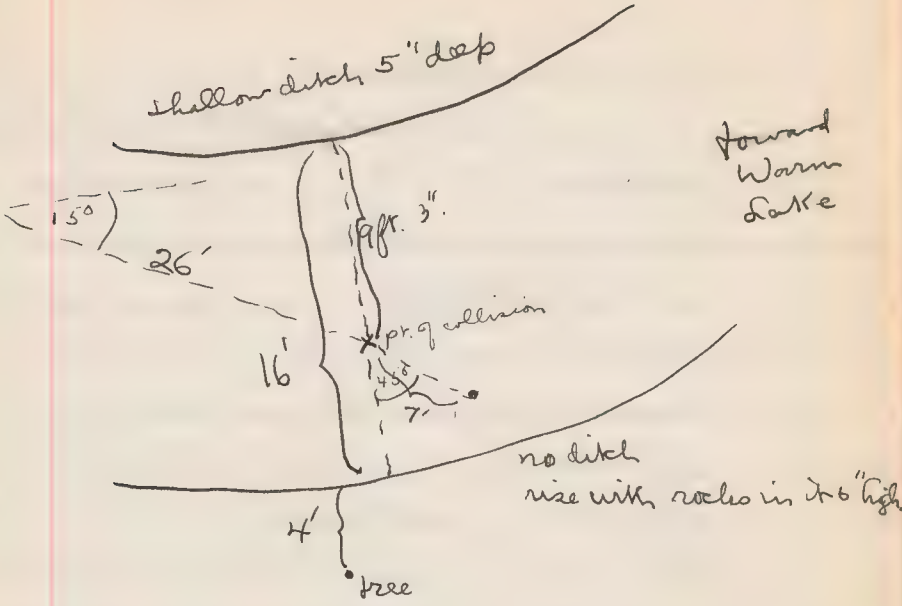
Total: 74.54

Balance - 20.46

Total RCK: 10.93.

Western Union & Gen. Del.
Lewiston - July 27
Tacoma - about Aug. 1

Fred W Taylor
Idaho Bldg. 403



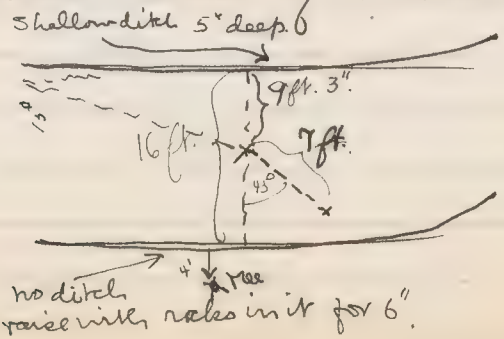
The following attest that the facts contained in these measurements are correct.

Caldwell, Idaho

B. M. Lynch
H. L. Caldwell Rt. 3
Tommy Wilkins

Donald Merritt
Warm Lake - Cascade, Idaho
Idaho 7R-27 - 1936 Ford pick-up.-
Collision left front of ford with left
side of Pontiac. 30 an owners estimate
Probable speed of Ford 45 m.p.h.
Speed of pontiac 25 m.p.h.
Collision on a curve the outer portion of
curve on right* road conditions were
good- native gravel surface - fine gravel.
Farmers automobile - Inter-Insurance-
Exchange - 649 So. Olive St. Los Angeles.
public liability + property damage.

Distances measured with tape measure.
26 ft. from pt. of collision to pt. where
Ford's left front wheel stopped.
7 ft. from pt. of collision to pt. where
left rear wheel of Pontiac stopped.



Joint use of [illegible]

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	[illegible]	3.6[illegible]
	[illegible]	
[illegible]	Poultry	6.5[illegible]
3[illegible]	[illegible]	1.5[illegible]
35651	[illegible]	
	[illegible]	2.50
	[illegible]	1.50
	[illegible]	.60
	[illegible]	.03
	[illegible]	.50
35320	[illegible]	.7[illegible]
38112	[illegible]	.14
	[illegible]	6.00
	[illegible]	.14
29474	[illegible]	
	[illegible]	24.[illegible]
29856	[illegible]	-1.5[illegible]
[illegible]	[illegible]	.92
[illegible]	[illegible]	4.[illegible]

33677 [illegible] 3.30

33551 [illegible] 2.50

[illegible] 2.70

[illegible] 3.50 (full)

4.13

2.75

.50

142.97

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[illegible] 3.15 7.55

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[illegible] 1.[illegible]

[illegible] 3.45

.25

1.65

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	[illegible]	.[illegible]
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[illegible]	[illegible]	.82
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[illegible]	[illegible]	2.16
[illegible]	[illegible]	.50
32[illegible]	[illegible]	1.80
	[illegible]	.20
38[illegible]	[illegible]	1.15
	[illegible]	1.35
38303	pasadena = 13.6 @ 18 =	2.43
	value for [illegible]	.05
	[illegible]	.10
38526	San Diego gas 12 @ 19 =	2.28
	[illegible]	.50
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[illegible]	[illegible]	=	2.95
[illegible]	[illegible]	=	3.70
	[illegible]	=	.25
41797	[illegible]	=	2.39
41956	[illegible]	=	1.05
	[illegible]	=	.25

		2.40
		2.22
		1.05
		.50
42040		2.29
		14.51

171.40

Our record

362.5 gal., 6465 mi., 17.84 m.p.g. —
Cheyenne - Pasadena

272.65 gal., 4737 mi., 17.37 m.p.g. —
Pasadena - Cambridge

635.15 gal., 11202 mi., 17.64 m.p.g. —
Cheyenne - Cambridge.

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[illegible]	.32
[illegible]	.71
[illegible]	.47
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[illegible]	.25
[illegible]	2.86
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[illegible]	.92
[illegible]	[illegible]
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[illegible]	1.00
[illegible]	.25
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[illegible]	.25
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" "	.25
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	22.31

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Car[illegible]	1.00
paper + [illegible]	.70
Food	.41
[illegible]	.40
[illegible]	.69
[illegible]	.50
[illegible]	.50
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" "	1.28
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[illegible]	.15
[illegible]	.94
[illegible]	2.16
[illegible]	[illegible]
[illegible]	1.02
	29.48

	.09
Ferry at West [illegible]	.40
[illegible]	1.00
Ferry over [illegible]	.50
Ferry at [illegible]	.52
[illegible]	1.25
Ferry to [illegible]	.50
Ferry to [illegible]	.30
[illegible]	.61
[illegible]	1.50
[illegible]	.50
Ferry at [illegible]	1.03
[illegible]	1.50
Ferry at [illegible]	1.75
[illegible]	8.00
Ferry at [illegible]	.54
" " [illegible]	1.13
" " [illegible]	.15
" " [illegible]	.15
[illegible]	3.45
Ferry at [illegible]	1.47
Bridge at Tygarts	.40
Ferry at [illegible]	.62
[illegible]	1.50
[illegible]	.15
[illegible]	1.28

	1.12
"	.45
	1.30
"	.86
"	2.56
	.25
	1.00
	.14
	.05
	.25
	.20
	1.50
	.13
	1.50
	.15
	.71
	1.50
	1.20
	.10
	1.50
	.13
	1.50
	.14
	21.01

Total

38.34
22.31
29.48
31.67
21.01
142.81

This book is of value to the owner and a reward will be paid if the finder returns it to:

Reed C. Rollins
Gray Herbarium
19 Harden St.
Cambridge, Mass.